

-  Ecoregions
-  ACEC
-  Wildlife Allocation
-  DRECP Boundary
-  Legislatively & Legally Protected Areas

## DRECP Ecoregions-West Desert and Eastern Slopes



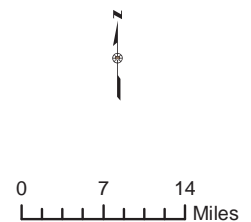
ACECs



9/14/2015

Draft Map Boundaries Subject to Change

1130



## **Western Desert and Eastern Slopes Subregion**

### **ACEC Units**

<b>Unit Name</b>	<b>Map #</b>	<b>See Here for Special Unit Management Plan</b>
Barstow Woolly Sunflower	8	Page 1132
Big Rock Creek Wash	12	Page 1141
Black Mountain	14	Mojave and Silurian Valley Subregion
Brisbane Valley Monkey Flower	15	Pinto Lucerne Valley and Eastern Slopes Subregion
Caliente Creek	20	Page 1145
Crater Mountain Wilderness Study Area	37	Page 1155
Dagget Ridge Monkey Flower	39	Pinto Lucerne Valley and Eastern Slopes Subregion
Desert Tortoise Research Natural Area	135	Page 1164
Eagles Flyway	45	Page 1173
El Paso to Golden Valley Wildlife Corridor	47	Page 1182
Fremont-Kramer	49	Page 1193
Granite Mountain Corridor	50	Pinto Lucerne Valley and Eastern Slopes Subregion
Harper Dry Lake	53	Page 1205
Horse Canyon	54	Page 1215
Independence Creek Wilderness Study Area	55	Page 1225
Jawbone/Butterbredt	58	Page 1232
Kelso Creek Monkeyflower	60	Page 1245
Last Chance Canyon	64	Page 1255
Manzanar	66	Page 1266
Middle Knob	72	Page 1273
Mojave Fishhook Cactus	73	Page 1283
Mojave Fringe-toed Lizard	74	South Mojave-Amboy Subregion
Mojave Ground Squirrel	75	Page 1293
Northern Lucerne Wildlife Linkage	80	Pinto Lucerne Valley and Eastern Slopes Subregion
Ord-Rodman	84	Pinto Lucerne Valley and Eastern Slopes Subregion
Rainbow Basin/Owl Canyon	99	Mojave and Silurian Valley Subregion
Sand Canyon	107	Page 1308
Short Canyon	109	Page 1320
Sierra Canyons	110	Page 1329
Superior-Cronese	118	Mojave and Silurian Valley Subregion
Symmes Creek Wilderness Study Area	120	Page 1341
Tehachapi Linkage	121	Page 1349
Western Rand Mountains	129	Page 1359

### Barstow Woolly Sunflower

**National Conservation Lands Ecoregion:** West Desert and Eastern Slopes

**Description/Location** – Located 4 miles northeast of Kramer Junction, San Bernardino County, California. Access provided by State Highway 395. This is an existing ACEC. It overlaps the Fremont Kramer ACEC.

**Nationally Significant Values:** Not proposed for NLCS designation.

**Special Designations/Management Plan/Date:** ACEC Plan No. 36, September 1982

**Relevance and Importance Criteria:** This ACEC was particularly set aside for the protection of the extremely rare and highly localized plant, *Eriophyllum mohavense* (Barstow woolly sunflower). This species is under threat from motorized vehicle use and grazing, especially since it is located within the Gravel Hills Grazing Allotment which receives ephemeral use by domestic sheep. In addition to the woolly sunflower, the ACEC contains the rare and CNPS listed Mojave spineflower, as well as the Mohave ground squirrel, desert tortoise, and chisel toothed kangaroo rat.

**Overarching Goals:** Protect the area's sensitive and rare vegetative resources, while still providing for continued grazing and recreational opportunities on immediately adjacent lands.

Where the CMAs in this Special Management Plan conflict from the CMAs included in Volume II of the Proposed LUPA and Final EIS, the more restrictive CMA would be applied (i.e. management that best supports resource conservation and limits impacts to the values for which the conservation unit was designated), unless otherwise specified.

Appropriate multiple uses will be allowed, consistent with this Special Unit Management Plan and the CMAs in Volume II.

**Designation and Acreage by Alternative:**

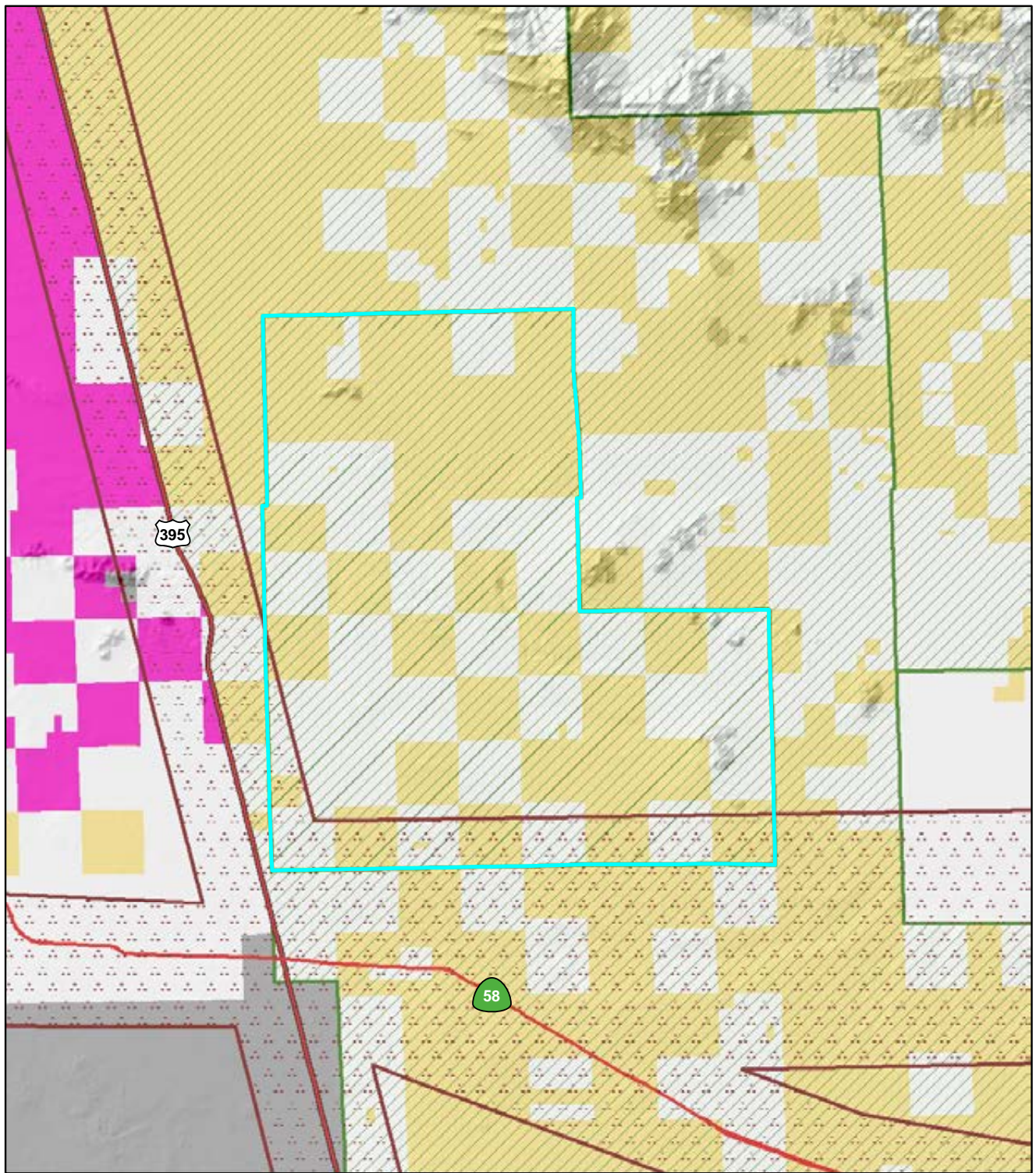
Alternative	BLM Acres of NLCS within ACEC or Wildlife Allocation	BLM Acres within ACEC	BLM Acres within Wildlife Allocation	ACEC Disturbance Cap
No Action	0	19,100	0	NA
Preferred Alternative	0	19,100	0	0.5%
1	0	19,100	0	0.5%
2	0	19,100	0	0.5%
3	0	19,100	0	0.5%
4	0	19,100	0	0.5%

**\* Acreage values are for BLM managed lands**

All Action Alternatives would remove this area from the Fremont-Kramer and remain as the Barstow Woolly Sunflower ACEC to resolve the dual designation and assist the Bureau in tracking total number of acres of protected lands.

Objectives (desired future conditions)/Allowable Uses/Management Actions	Resource
<p>Objective: Protect all known populations of Barstow Woolly Sunflower by excluding vehicular use and grazing  Allowable Uses: Commercial vegetation harvest prohibited  Management Action 1: Fence 160 acres of ACEC  Management Action 2: Initiate surveys of surrounding areas</p> <p>Objective: Education public about vegetation values  Action: Install interpretive signs</p>	Vegetation – Including special status species
<p>Objective: Manage for the protection of Mohave ground squirrel, desert tortoise, chisel-toothed kangaroo rat, San Joaquin pocket mouse, kit fox, bobcat and burrowing owl  Management Action:  Survey for BLM sensitive species, identify current occupied and potential habitat, identify and implement actions to conserve and improve habitat conditions</p>	Fish and Wildlife – Including special status species
<p>Objective: provide dispersed opportunities focuses on enjoyment of the ACEC attributes  Management Action: Restrict camping from sensitive habitat areas</p>	Recreation
<p>Objective: Consolidate through tenure adjustment.  Management Action: Acquire inholdings, edgeholdings and other interests from willing sellers.</p>	Land Tenure
<p>Objective: Protect resource values of the ACEC  Management Action: Land use authorization proposals (new, renewal, and amendment) will be analyzed on a case-by-case basis to assess whether they are compatible with the ACEC and its management goals.</p>	Rights of Way
<p>Objective: Maintain integrity of large blocks of habitat  Allowable Uses: Not an allowable use. Renewable energy development is not compatible with NLCS and ACEC unit values and criteria</p> <p>Geothermal: ACECs are closed to geothermal leasing and development unless they overlap with a DFA where geothermal is allowed. Where there is overlap, ACECs are open to geothermal leasing with an NSO stipulation.</p>	Renewable Energy





# Conservation Footprint

Proposed ACEC

Renewable Footprint

Development Focus Areas

DRECP Boundary

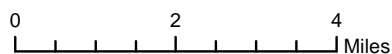
CDCA Boundary

Transmission Corridor

## Land Status

Bureau of Land Management

Department of Defense



## Barstow Woolly Sunflower

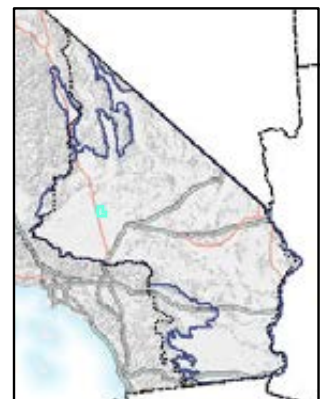


7/14/2015

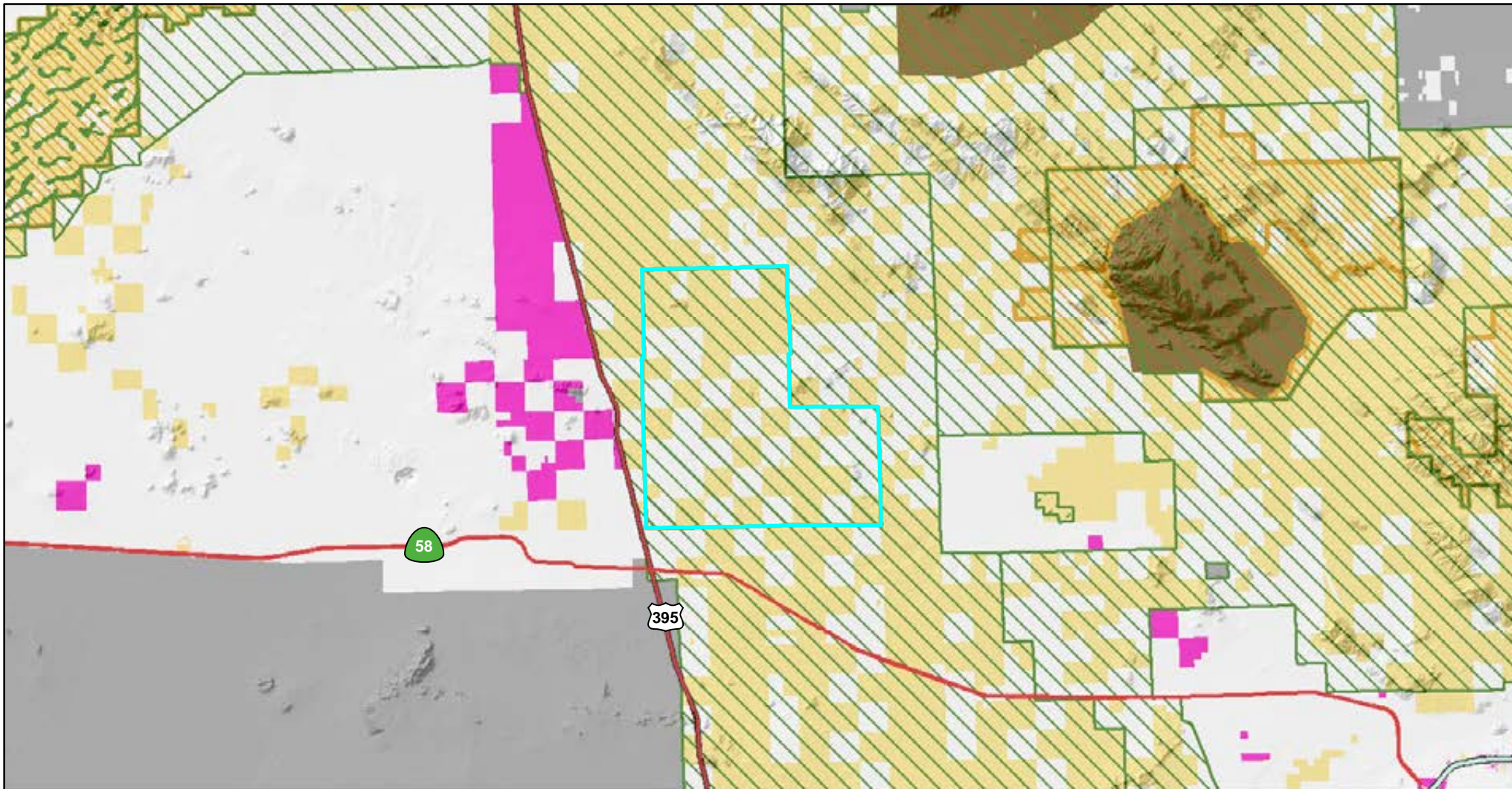


Draft Map Boundaries Subject to Change


1134







### Conservation Footprint


 Legislatively & Legally Protected Areas

 National Conservation Lands

### ACEC Boundaries

 0.1% Disturbance Cap

 0.5% Disturbance Cap

 1% Disturbance Cap


 DRECP Boundary


 CDCA Boundary

### Renewable Footprint

 Development Focus Areas

### Land Status

 Bureau of Land Management

 Department of Defense

## Barstow Woolly Sunflower

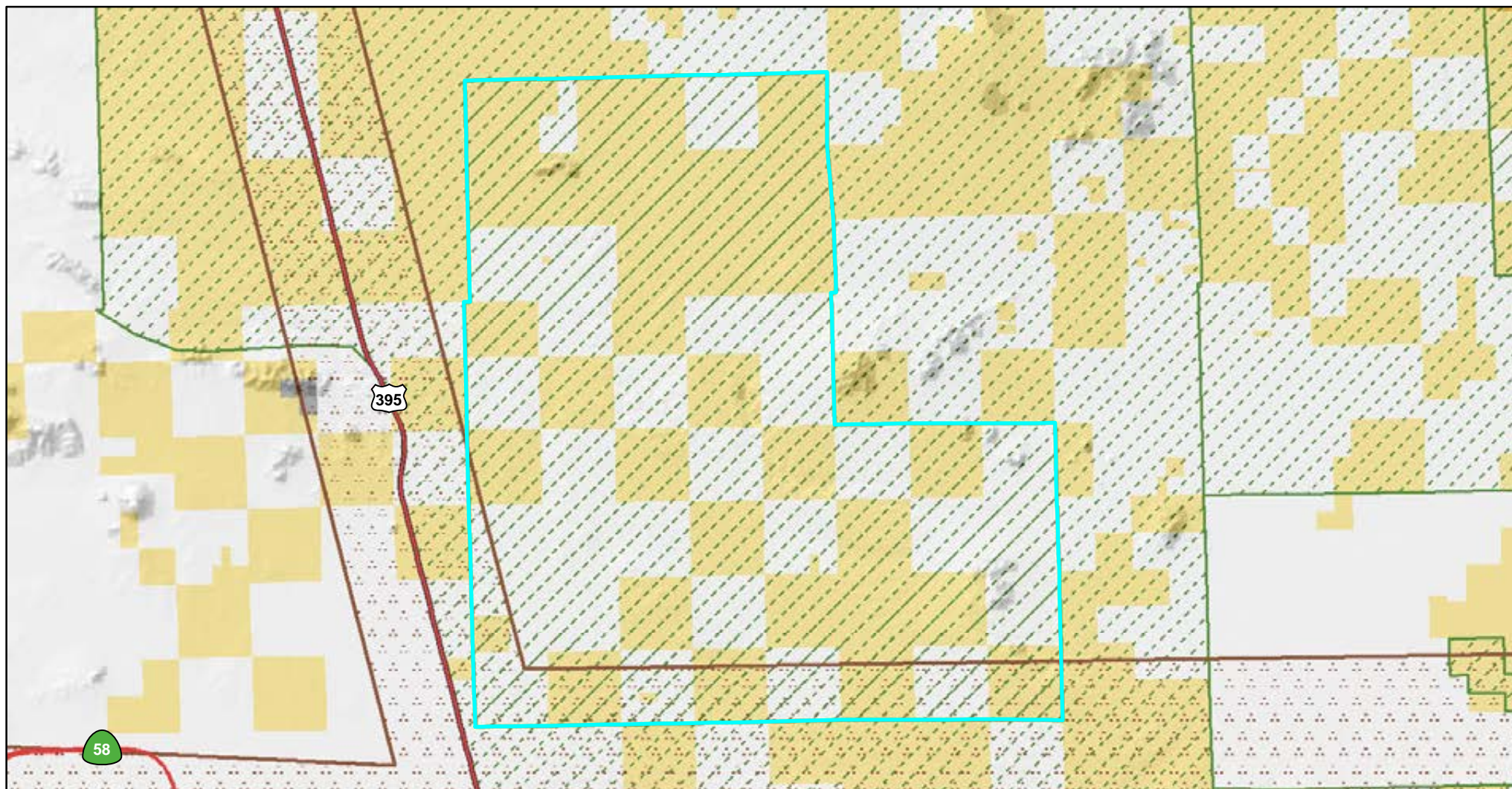
6/24/2015

Draft Map Boundaries Subject to Change



0 4 8 Miles





### Conservation Footprint

National Conservation Lands

ACEC Boundaries

1% Disturbance Cap

DRECP Boundary

CDCA Boundary

Transmission Corridor

Renewable Footprint

Variance Lands

### Land Status

Bureau of Land Management

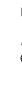
Department of Defense

0 1 2  
Miles

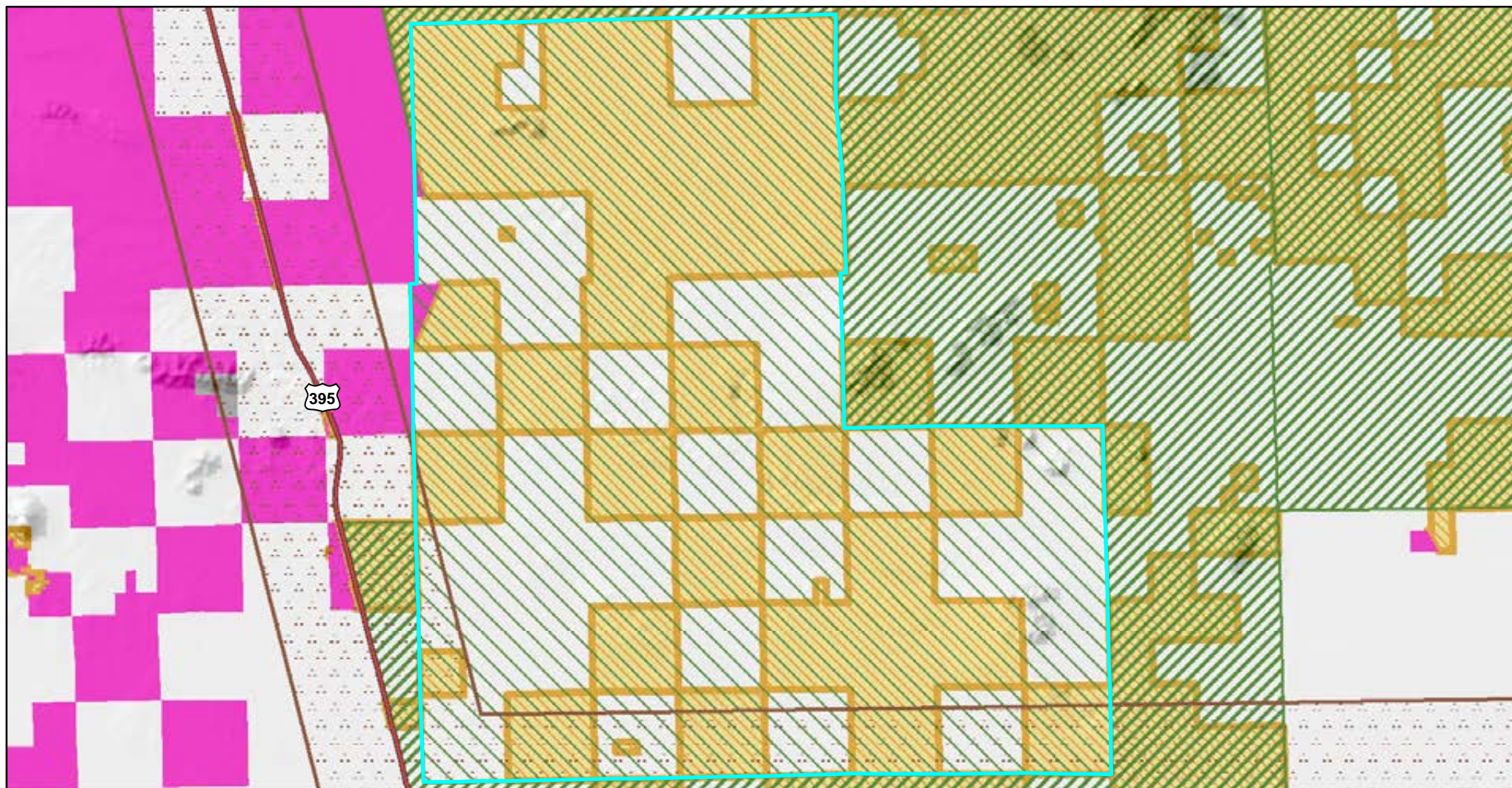
## Barstow Woolly Sunflower Alternative 1

8/25/2015









Draft Map Boundaries Subject to Change









### Conservation Footprint

- |  |   |
|--|---|
|  National Conservation Lands |  DRECP Boundary          |
|  ACEC Boundaries             |  CDCA Boundary           |
|  0.25% Disturbance Cap       |  Transmission Corridor   |
|  0.5% Disturbance Cap        | <b>Renewable Footprint</b>  |
|  |  Development Focus Areas |

### Land Status

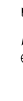
- |   |
|---|
|  Bureau of Land Management |
|  Department of Defense     |

0 1 2  
Miles

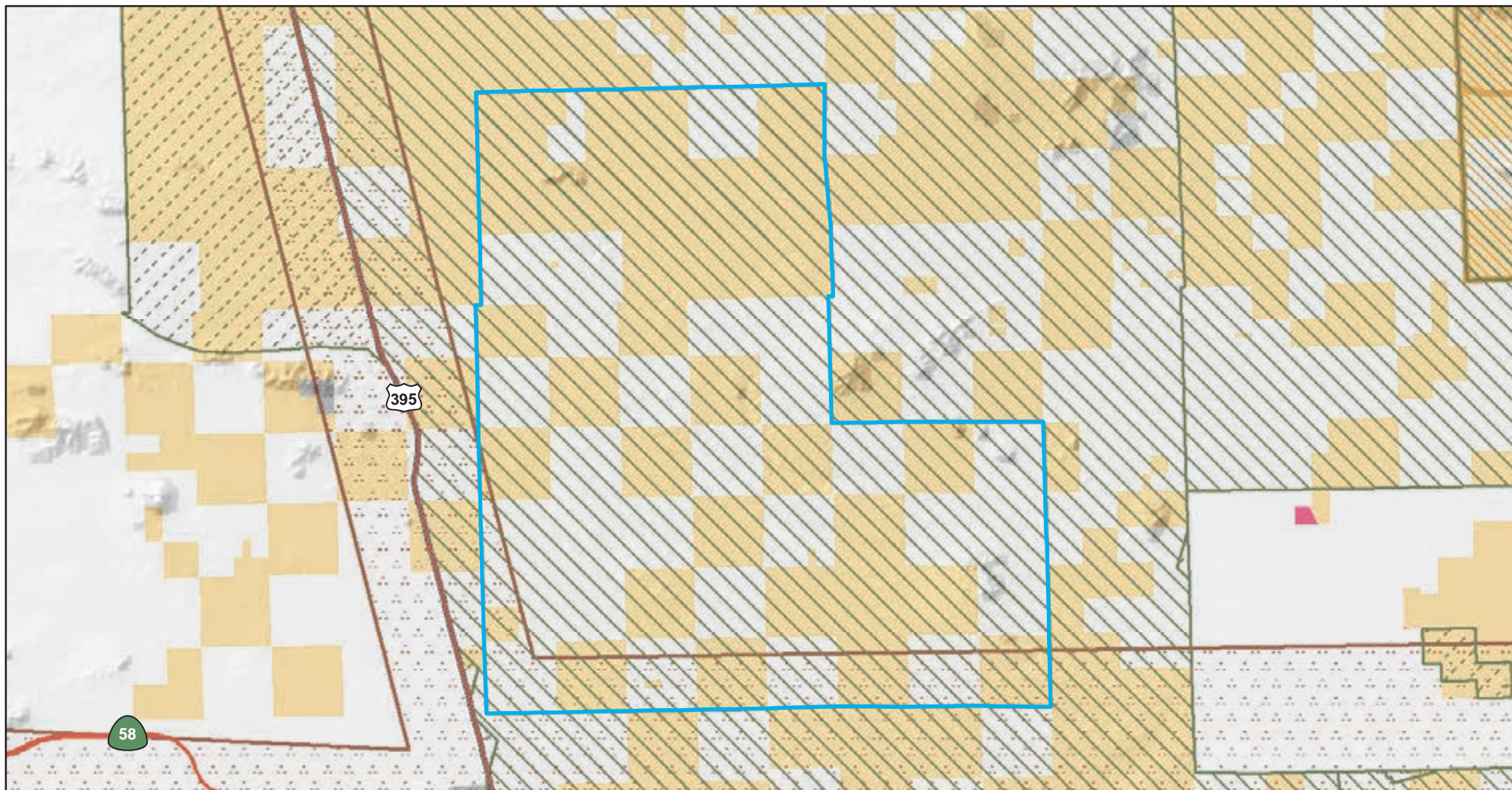
## Barstow Woolly Sunflower Alternative 2

8/26/2015

Draft Map Boundaries Subject to Change







### Conservation Footprint

National Conservation Lands

DRECP Boundary

### ACEC Boundaries

CDCA Boundary

0.5% Disturbance Cap

Transmission Corridor

1% Disturbance Cap

### Renewable Footprint

Development Focus Areas

### Land Status

Bureau of Land Management

Department of Defense

0 1 2  
Miles

## Barstow Woolly Sunflower Alternative 3

8/26/2015

Draft Map Boundaries Subject to Change







## Conservation Footprint

### ACEC Boundaries

- 0.25% Disturbance Cap
- 0.5% Disturbance Cap
- 1% Disturbance Cap

### DRECP Boundary

- DRECP Boundary
- CDCA Boundary
- Transmission Corridor

### Renewable Footprint

- Development Focus Areas
- Variance Lands

### Land Status

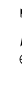
- Bureau of Land Management
- Department of Defense

0 1 2 Miles

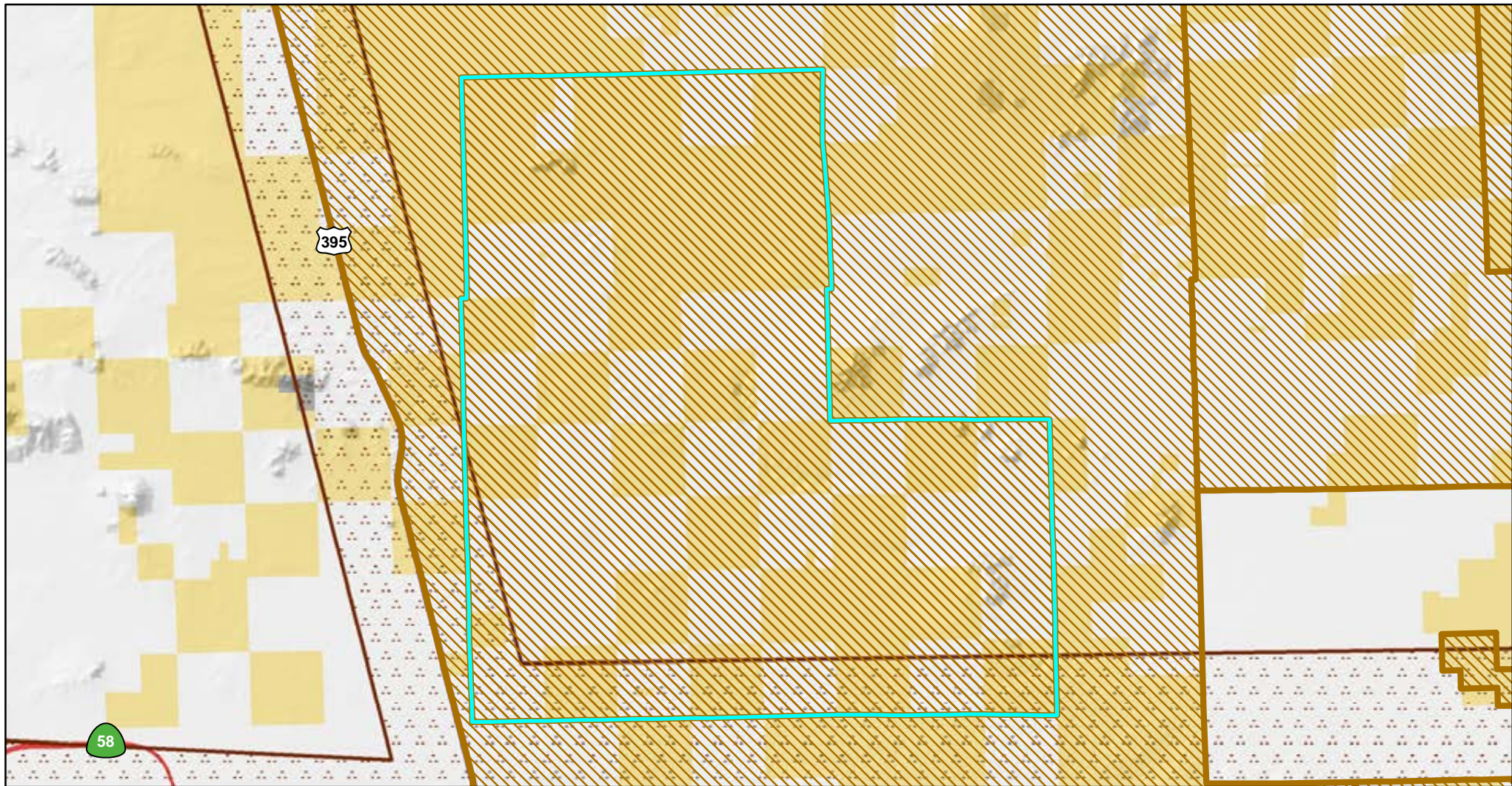
## Barstow Woolly Sunflower Alternative 4

8/27/2015

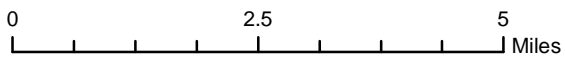
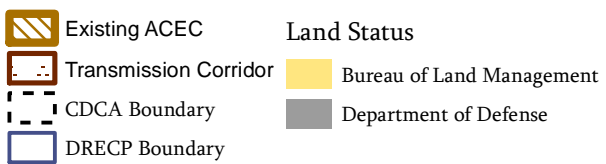
Draft Map Boundaries Subject to Change







### Conservation Footprint

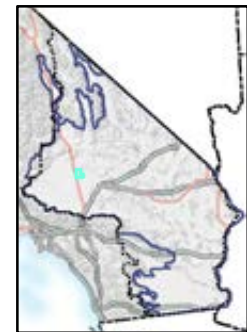


## Barstow Woolly Sunflower

**No Action**

9/15/2015

Draft Map Boundaries Subject to Change



### Big Rock Creek Wash

**National Conservation Lands Ecoregion:** West Desert And Eastern Slopes

**Description/Location:** Los Angeles County, approximately 3.5 miles north east from the town of Pear Blossom. See map.

**Nationally Significant Values:** Not proposed for NLCS designation.

**Relevance and Importance Criteria:** This BLM parcel is part of a proposed Significant Ecological Area (Big Rock Creek SEA) designated by Los Angeles County. Short-joint beavertail cactus is a USFWS Species of Concern that occurs here. Establishment of the Big Rock Creek Corridor is recommended in the WEMO Plan (pg. 2-17). In addition, remote sensing shows that the Big Rock Wash ecosystem is unique in the region. The red color exhibited in Landsat aerial photos indicates unique soil and vegetation characteristics. The vegetation consists of a diversity of plant species that are unusually dense and robust. This type of habitat supports a variety of wildlife species including the special status San Diego horned lizard.

**Special Designations/Management Plan/Date:** This is a proposed ACEC within a proposed Los Angeles County Significant Ecological Area

**Overarching Goals:** Protect this unique wash habitat and wildlife corridor for the San Diego horned lizard, the Mojave fringed toed lizard, and short-joint beavertail cactus.

Where the CMAs in this Special Management Plan conflict from the CMAs included in Volume II of the Proposed LUPA and Final EIS, the more restrictive CMA would be applied (i.e., management that best supports resource conservation and limits impacts to the values for which the conservation unit was designated), unless otherwise specified.

Appropriate multiple uses will be allowed, consistent with this Special Unit Management Plan and the CMAs in Volume II.

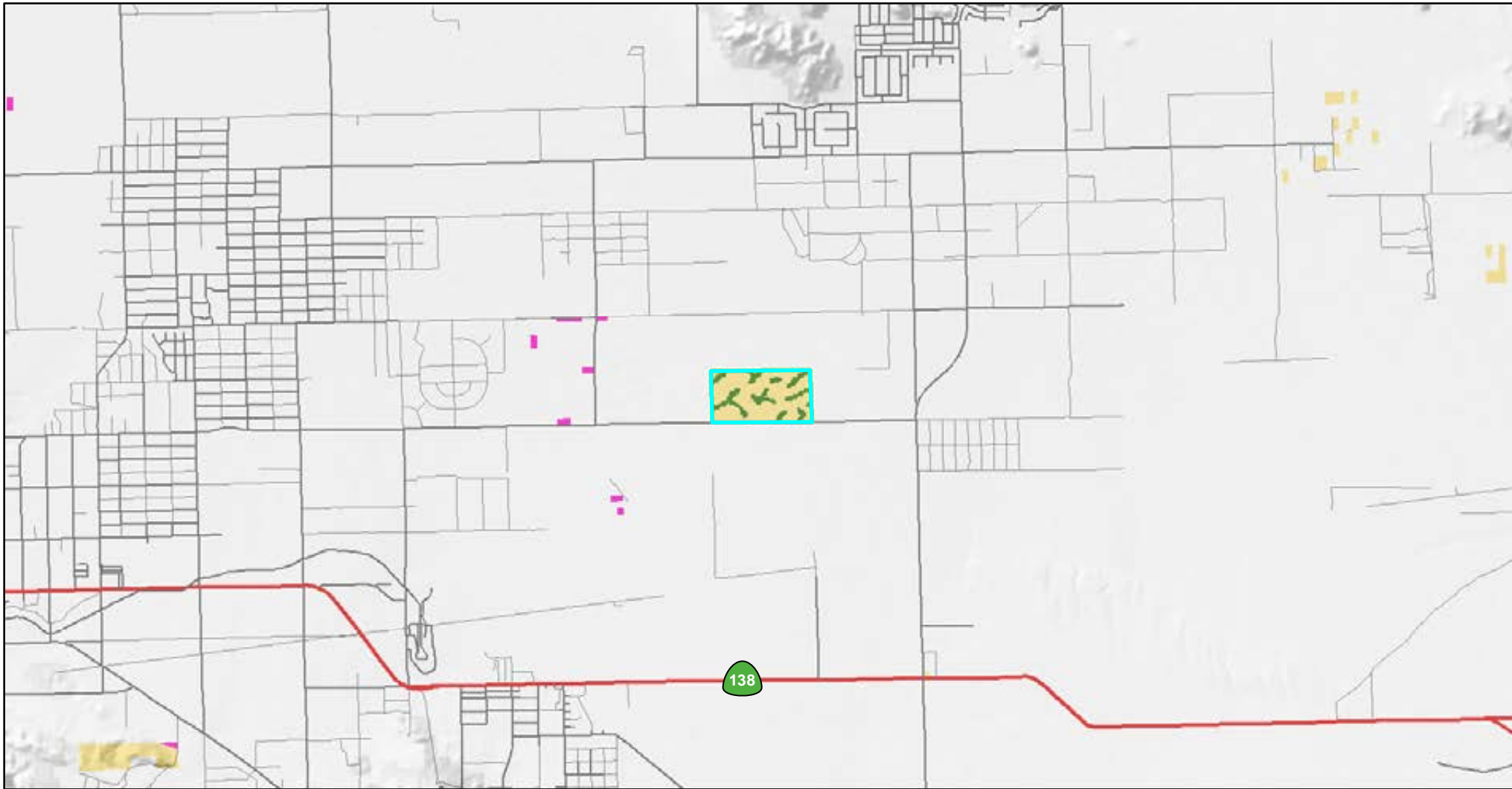
**Designation and Acreage by Alternative:**

Alternative	BLM Acres of NLCS within ACEC or Wildlife Allocation	BLM Acres within ACEC	BLM Acres within Wildlife Allocation	ACEC Disturbance Cap
No Action	0	0	0	NA
Preferred Alternative	0	309	0	0.10%
1	0	0	0	
2	0	0	0	
3	0	0	0	
4	0	0	0	

\* Acreage values are for BLM managed lands

Objectives (desired future condition)/Allowable Uses/Management Actions	Resource
<p>Objective: Ensure continued passage of sand downstream during flood flows to maintain natural sediment transport processes.</p> <p>Allowable Uses: 1 % or less surface disturbance of dune surface annually; no disturbance of non-dune surfaces</p> <p>Management Action: Minimize soil disturbance and prevent accelerated erosion caused by human activities.</p>	Soil, water, air
<p>Objective: Protect the following special status plants by ensuring habitat is in a stable or improving condition to keep the species from becoming listed under the ESA.</p> <p>Management Action: Protect and monitor populations of Short-joint beavertail cactus (<i>Opuntia basilaris</i> var. <i>brachyclada</i>) USFWS Species of Concern &amp; BLM special status species.</p> <p>Prohibit collection of plants except by permit</p> <p>Rehabilitate/revegetated disturbed area</p>	Vegetation (incl. special status species)
<p>Objective: Protect the dune, hummock, and sand sheet habitat:</p> <p>Management Action: Restore habitat as needed</p> <p>Designate Mojave fringed-toed lizard as priority species for management and protection.</p> <p>Mojave fringe-toed lizard (<i>Uma scoparia</i>) BLM sensitive</p> <p>San Bernardino Kangaroo Rat (<i>Dipodomys merriami parvus</i>) Federally Endangered</p> <p>Le Conte's Thrasher (<i>Toxostoma lecontei</i>) State Species of Special Concern</p> <p>American Badger (<i>Taxidea taxus</i>) State Special Animal</p> <p>Desert Tortoise (<i>Gopherus agassizii</i>) Federally and State threatened</p> <p>Mohave ground squirrel (<i>Spermophilus mohavensis</i>) State threatened</p> <p>San Diego Horned Lizard (<i>Phrynosoma coronatum blainvillii</i>) USFWS Species of Concern</p> <p>Objective: Prevent habitat fragmentation, which impedes wildlife movement.</p> <p>Management Action: Maintain this critical linkage to allow species to travel freely between the northern San Gabriel Mountains and the Antelope Valley.</p> <p>Explore cooperative management of the resource with LA County</p>	Fish and Wildlife (incl. special status species)
<p>Objective: Protect sand flow function while allowing for travel through area. There is one paved road across private land that accesses the area. BLM does not designate routes across private land.</p> <p>At this time, there is little vehicle use in the area and little to no visitor impacts. The ACEC is surrounded by private lands, but it is thought that the likelihood of these lands being developed is low. The lands are within an active floodplain and L.A. County has zoned the area for non-development</p> <p>Management Action: Modify the WEMO Route Network if needed</p> <p>Should the surrounding area become developed, BLM will need to work first on securing agency and/or public access to the site. Secondly, BLM will need to consider whether the area can be managed best by developing it as a recreational use site, with some interpretative trails and focused recreational</p>	Trails and Travel Management

<p>pursuits, or by keeping it off of the public radar and maintaining it as a primitive ecological reserve.</p> <p>Management Actions: Monitor and patrol the area and/or to developing a Friends group or an MOU with some other entity to do this important work.</p>	
<p>Objective: Provide dispersed opportunities for enjoyment of the ACEC attributes</p> <p>Allowable Uses: All forms of casual and permitted recreational uses are allowed including but not limited to dispersed camping, hunting, photography, picnicking, climbing, astronomy/star gazing, nature study and viewing.</p> <p>Management Action: Protective measures may be required in the future if use increases and/or use starts to adversely impact resources such as: fencing the perimeter of the ACEC to protect it from vehicle incursions originating outside of the ACEC, delineating parking and camping areas and developing interpretative trails.</p>	Recreation
<p>Objective: Consolidate through tenure adjustment.</p> <p>Management Action: Acquire inholdings, edgeholdings and other interests from willing sellers.</p>	Land Tenure
<p>Objective: Protect resource values of the ACEC</p> <p>Management Action 1: Land use authorization proposals (new, renewal, and amendment) will be analyzed on a case-by-case basis to assess whether they are compatible with the ACEC and its management goals.</p> <p>Management Action 2: No ROWs that alter groundwater regimes</p>	Rights of Way
<p>Not an allowable use. Renewable energy development is not compatible with NLCS and ACEC unit values and criteria.</p> <p>ACECs are closed to geothermal leasing and development unless they overlap with a DFA where geothermal is allowed. Where there is overlap, ACECs are open to geothermal leasing with an NSO stipulation.</p>	Renewable Energy
<p>Objective: Protect sand flow and wildlife corridor habitat by restricting mining within the ACEC</p> <p>Allowable Uses: No gravel mining would be allowed in this ACEC. Aggregate mining allowed with minimization measures</p> <p>Management Action: Regulate aggregate mining in Big Rock Creek drainages to ensure continued passage of sand downstream during flood flows.</p>	Locatable Minerals Mineral Materials Non-energy Leasables



### Conservation Footprint

ACEC Boundaries  
 0.1% Disturbance Cap

DRECP Boundary  
 CDCA Boundary

### Renewable Footprint

Development Focus Areas

### Land Status

Bureau of Land Management

0 1 2  
 Miles

## Big Rock Creek Wash

6/24/2015

Draft Map Boundaries Subject to Change



### Caliente Creek Area of Ecological Importance

**National Conservation Lands Ecoregion:** Not in CDCA

**Description/Location:**

Caliente Creek includes private and federal land and mineral estate. Located approximately 15 miles north the city of Tehachapi; the area consists of the corridor along Caliente Creek extending from the community of Caliente and its confluence with Tehachapi Creek to its confluence with Sycamore Canyon near the community of Loraine.

**Nationally Significant Values:** Not eligible for NCL proposal under PL 111-11 because not in CDCA.

**Special Designations/Management Plan/Date:** No previous special designation.

**Relevance and Importance Criteria:** Relevant wildlife resource and natural system.

Caliente Creek is a perennial stream supporting riparian woodland dominated by willow, cottonwood and California sycamore. The area contains one of two known populations of the State-listed Tehachapi slender salamander. The area also contains the federally listed Bakersfield cactus and the BLM sensitive yellow-blotched salamander. The area does not, however, meet the importance criteria as it does not have more than locally significant qualities when compared to other similar resources within the region.

Under Alternatives 2 and 3, the level of uncertainty of the long term protection for the other resources in the region would elevate the significance of this area.

**Grazing Allotment:** This unit overlaps with Goldpan Canyon Allotments.

**Overarching Goals:** Protect the riparian ecosystem and conserve habitat for Tehachapi slender salamander, yellow-blotched salamander, and Bakersfield cactus.

**Designation and Acreage by Alternative:**

Alternative	BLM Acres of NLCS within ACEC or Wildlife Allocation	BLM Acres within ACEC	BLM Acres within Wildlife Allocation	ACEC Disturbance Cap
No Action	0	0	0	NA
Preferred Alternative	0	0	156	Wildlife Allocation
1	0	0	100	Wildlife Allocation
2	0	0	100	Wildlife Allocation
3	0	100	0	0.10%
4	0	0	100	Wildlife Allocation

\* Acreage values are for BLM managed lands

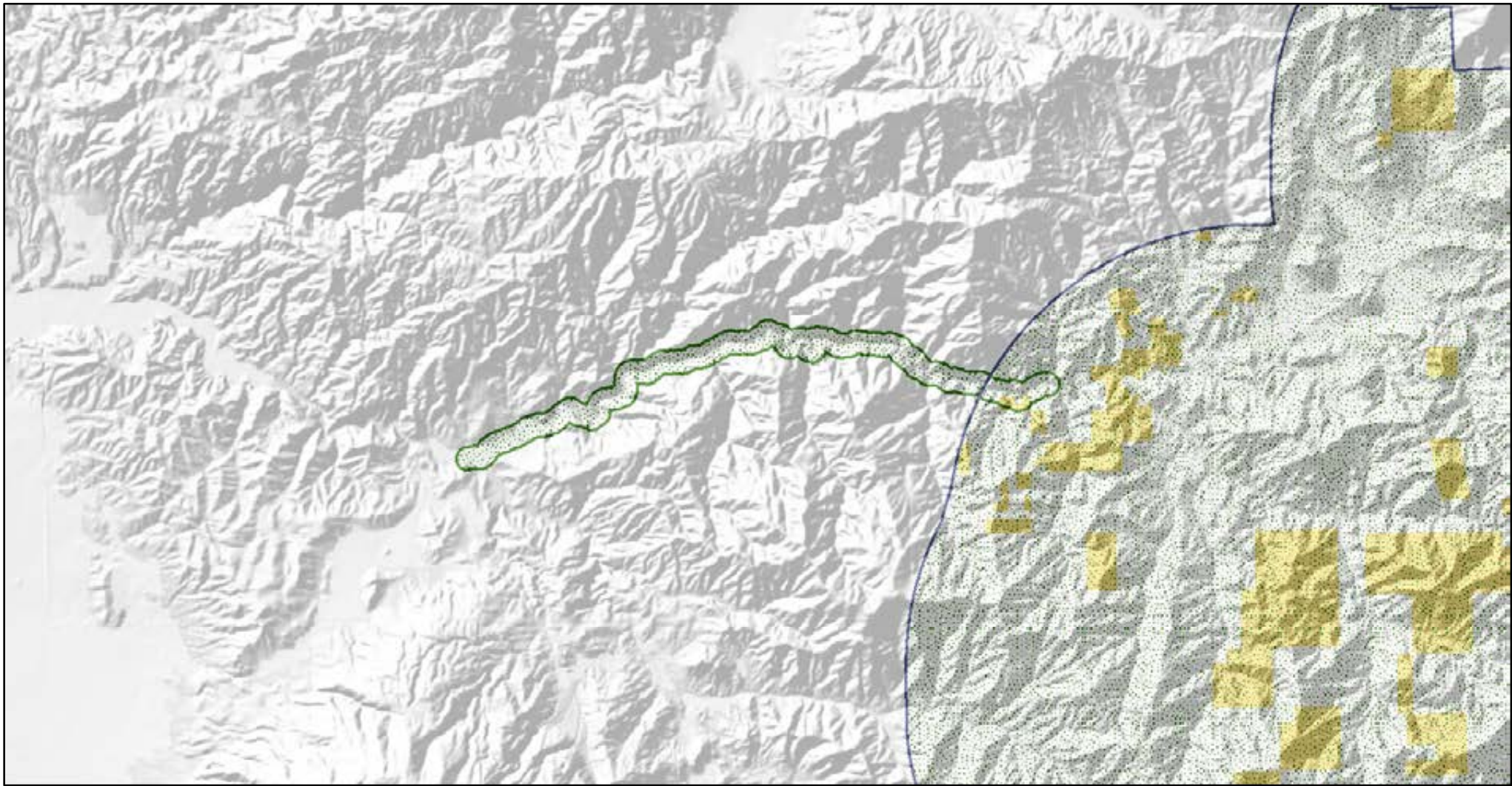


Objectives (desired future conditions) /Allowable Uses/Management Actions	Resource
<p>Objective: Manage soils to meet or exceed the Soil Standard of Rangeland Health, as indicated by ground or plant cover, diversity of plant species, minimal evidence of accelerated wind and water erosion and the presence of the biological soil crusts where appropriate.</p> <p>Management Action 1: Minimize soil disturbance by limiting developments to the smallest area possible and by using previously disturbed areas and existing roads to the extent practicable.</p> <p>Management Action 2: Restrict access and suspend authorized projects during wet weather when soil resources will be detrimentally affected by rutting, compaction, and increased erosion.</p> <p>Objective: Manage riparian/wetland vegetation, structure, and diversity and stream channels and floodplains so that they are functional and achieving physical and biological objectives.</p> <p>Management Action 3: Wetlands and riparian areas affected by livestock would be fenced or otherwise protected.</p> <p>Management Action 4: Stream crossings, if necessary, would be designed to minimize adverse impacts to soils, water quality, and riparian vegetation.</p>	<p>Soil, water, air</p>
<p>Objective: Conserve and recover state and federally listed species, and BLM sensitive species through the maintenance, enhancement and restoration of their habitats.</p> <p>Management Action 1: Allow for the expansion of the Caliente Creek area of ecological importance to include additional public lands containing newly discovered populations of Bakersfield cactus.</p> <p>Management Action 2: Implement actions and recommendations from recovery and conservation plans, including those to reduce mortality, provide information and education, and restore habitat to maintain, enhance and restore listed species habitats.</p> <p>Management Action 3: Eliminate, relocate, or redesign uses that may result or have resulted in unacceptable impacts on important biological resources, through actions such as, making season closures, modifying grazing prescriptions, installing protective fencing, restricting equestrian access, relocating parking areas, and closing or realigning travel routes.</p> <p>Management Action 4: Implement a variety of measures (such as controlling weeds, planting native species, applying mechanical and chemical vegetation treatments, improving water availability, and installing artificial structures) to enhance or restore habitat conditions.</p> <p>Objective: Design BLM actions and authorizations to minimize impacts on biological resources, regional conservation strategies and essential habitat</p>	<p>Vegetation - Including special status plant species</p>





<p>linkages.</p> <p>Management Action 1: Apply SOPs, as appropriate to new BLM actions and authorizations such as those contained in Bakersfield PRMP/FEIS Appendix L.</p>	
<p>Objective: Conserve and recover state and federally listed species, and BLM sensitive species through the maintenance, enhancement and restoration of their habitats.</p> <p>Management Action 1: Allow for the expansion of the Caliente Creek area of ecological importance to include additional public lands containing newly discovered populations of Tehachapi slender salamander or Yellow-blotched salamander.</p> <p>Management Action 2: Implement actions and recommendations from recovery and conservation plans, including those to reduce mortality, provide information and education, and restore habitat to maintain, enhance and restore listed species habitats.</p> <p>Management Action 3: Eliminate, relocate, or redesign uses that may result or have resulted in unacceptable impacts on important biological resources, through actions such as, making season closures, modifying grazing prescriptions, installing protective fencing, restricting equestrian access, relocating parking areas, and closing or realigning travel routes.</p> <p>Management Action 4: Implement a variety of measures (such as controlling weeds, planting native species, applying mechanical and chemical vegetation treatments, improving water availability, and installing artificial structures) to enhance or restore habitat conditions.</p> <p>Objective: Design BLM actions and authorizations to minimize impacts on biological resources, regional conservation strategies and essential habitat linkages.</p> <p>Management Action 1: Apply SOPs, as appropriate to new BLM actions and authorizations such as those contained in Bakersfield PRMP/FEIS Appendix L.</p>	<p>Fish and Wildlife - Including special status fish and wildlife species</p>
<p>Objective: Manage OHV use to protect environmental resources, promote public safety, and provide OHV use opportunities where appropriate.</p> <p>Allowable Uses: OHV Limited area – vehicle use limited to designated roads and trails.</p> <p>Management Actions: Designate roads and trail for public use as motorized.</p>	<p>Trails and Travel Management</p>
<p>Objective: General Management Of Recreation - Not within a designated Recreation Management Area.</p> <p>Management Action: See planning area wide action items in general recreation rules.</p>	<p>Recreation</p>

<p>Objective: Consolidate through tenure adjustment. Management Action: Acquire inholdings, edgeholdings and other interests from willing sellers.</p>	Land Tenure
<p>Objective: Protect resource values of the ACEC Management Action: Land use authorization proposals (new, renewal, and amendment) will be analyzed on a case-by-case basis to assess whether they are compatible with the ACEC and its management goals.</p> <p><b>Alternatives 2 &amp; 3 only:</b> Allowable Uses: Entire area is an avoidance area for all rights-of-way.</p> <p>Management Actions: Applications for uses falling under the 2800 &amp; 2900 regulations that provide a benefit to the management area or serve public interests may be allowed. Transmission lines larger than 231kV must be located in designated transmission corridors.</p>	Rights of Way (ROW)
<p>Objective: Maintain integrity of riparian ecosystem and special status species habitat.</p> <p>Allowable Use: Not an allowable use. Renewable energy development is not compatible with ACEC values and criteria.</p> <p>Geothermal: ACECs are closed to geothermal leasing and development unless they overlap with a DFA where geothermal is allowed. Where there is overlap, ACECs are open to geothermal leasing with an NSO stipulation.</p>	Renewable Energy
<p>Objective: Provide for reasonable, economical, and environmentally sound exploration and development of mineral resources, while ensuring compatibility with ACEC relevant and important values.</p> <p>Allowable Uses: Mineral Materials: <b>Alternatives 2 &amp; 3 only</b> – Closed to mineral material disposal.</p> <p>Non-Energy Leasables: <b>Alternatives 2 &amp; 3 only</b> – Closed to solid (non-energy) leasing.</p> <p>Fluid Minerals: Open for fluid mineral leasing, subject to major constraints: Controlled Surface Use (CSU)-Protected Species stipulation; and CSU-Sensitive Species stipulation.</p>	Locatable Minerals Mineral Materials Non-Energy Leasable
<p>Objective: Provide for livestock grazing opportunities in a manner that limits impacts on other resources.</p> <p>Allowable Uses: Available for Livestock Grazing. This area is part of the Goldpan Canyon grazing allotment. Livestock grazing authorizations may have specific livestock management guidelines applied to ensure grazing use is compatible with the objectives for special status species and riparian resources.</p>	Livestock grazing

<p>For Riparian areas in;</p> <ul style="list-style-type: none"> <li>• Poor-Fair Condition; Nov.1-May 31 season of use and apply the appropriate Central CA Guidelines for Livestock Grazing Management, as needed to meet the Standards for Rangeland Health.</li> <li>• Good-Excellent Condition - Maintain current season of use and apply the appropriate Central CA Guidelines for Livestock Grazing Management as needed, as needed to meet the Standards for Rangeland Health.</li> </ul> <p>For known occupied habitats and/or known populations of the following species apply the following guidelines for livestock grazing management. In addition, on a case-by-case basis, depending of the specific needs of the species, extend these guidelines to adjacent areas that are determined to have similar habitat and are likely to contain these species and/or areas directly affecting habitat containing the species of concern;</p> <ul style="list-style-type: none"> <li>• Tehachapi slender salamander - Apply the appropriate Central CA Guidelines for Livestock Grazing Management, as needed to meet the Standards for Rangeland Health.</li> <li>• Other special status species - Apply the appropriate Central CA Guidelines for Livestock Grazing Management as needed to meet the Standards for Rangeland Health and/or develop a management guideline that takes into account specific species requirements.</li> </ul>	
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# Conservation Footprint

ACEC Boundaries  DRECP Boundary Land Status  
 Wildlife Allocation  CDCA Boundary  Bureau of Land Management

## Caliente Creek Area of Ecological Importance

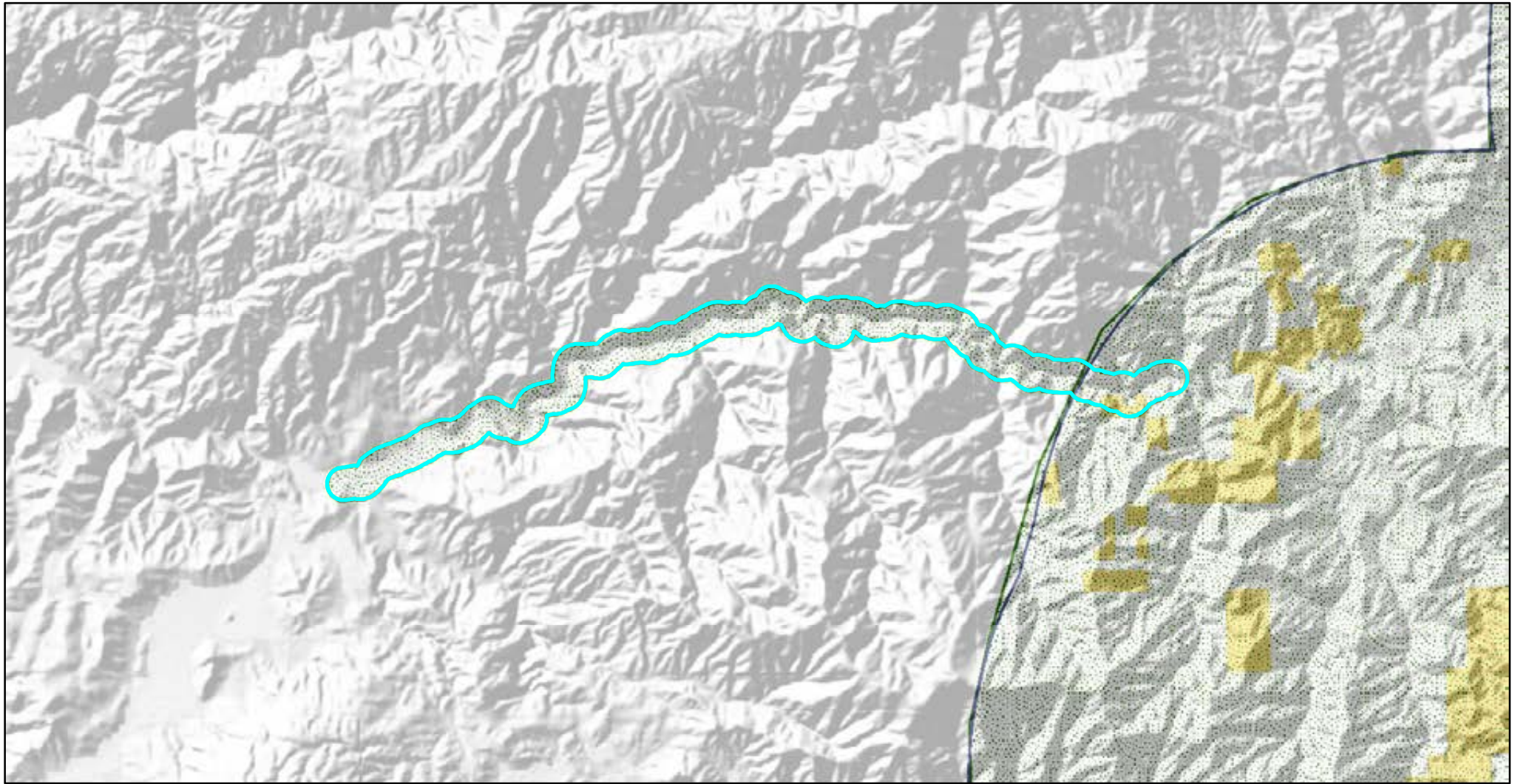
6/25/2015

Draft Map Boundaries Subject to Change

0 2 4 Miles









Conservation Footprint

ACEC Boundaries  DRECP Boundary Land Status

 Wildlife Allocation

 Bureau of Land Management

## Caliente Creek Area of Ecological Importance Alternative 1

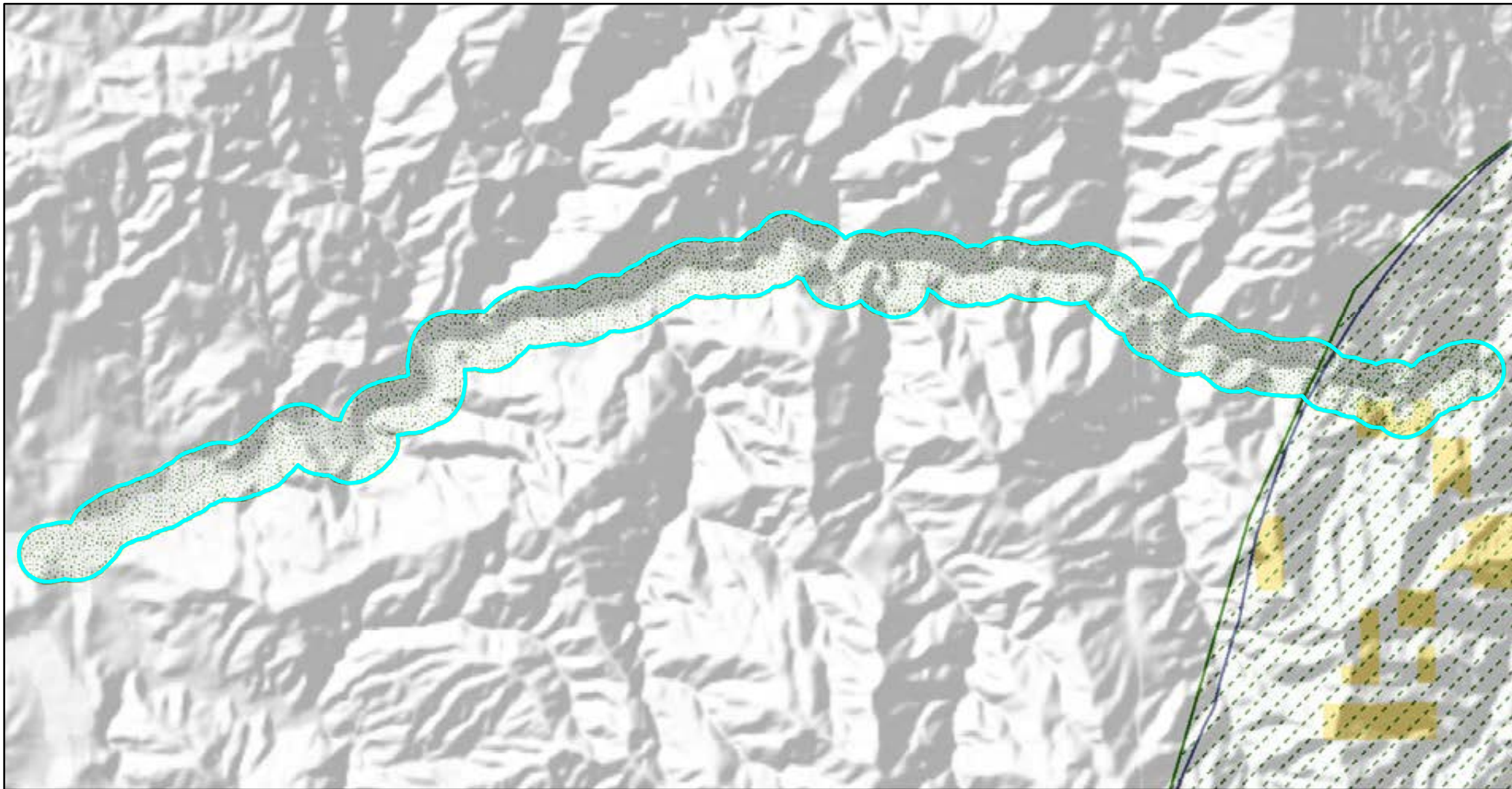
8/25/2015

Draft Map Boundaries Subject to Change

0 2 4 Miles







# Conservation Footprint

ACEC Boundaries    DRECP Boundary    Land Status  
 1% Disturbance Cap    CDCA Boundary    Bureau of Land Management  
 Wildlife Allocation

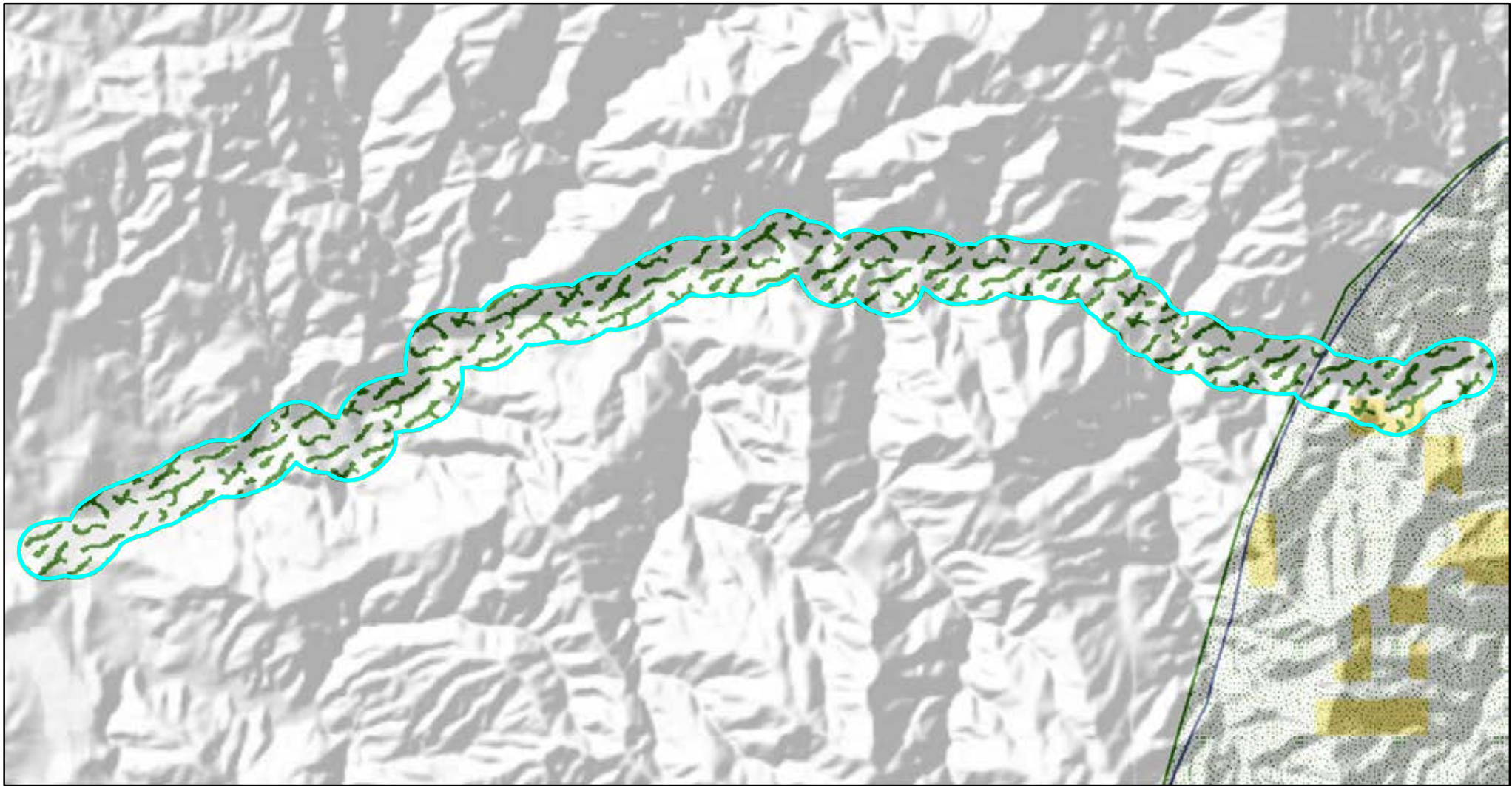
## Caliente Creek Area of Ecological Importance Alternative 2

8/26/2015

Draft Map Boundaries Subject to Change

0 0.5 1 Miles





# Conservation Footprint

- |                      |                |                           |
|----------------------|----------------|---------------------------|
| ACEC Boundaries      | DRECP Boundary | Land Status               |
| 0.1% Disturbance Cap | CDCA Boundary  | Bureau of Land Management |
| Wildlife Allocation  |                |                           |

## Caliente Creek Area of Ecological Importance Alternative 3

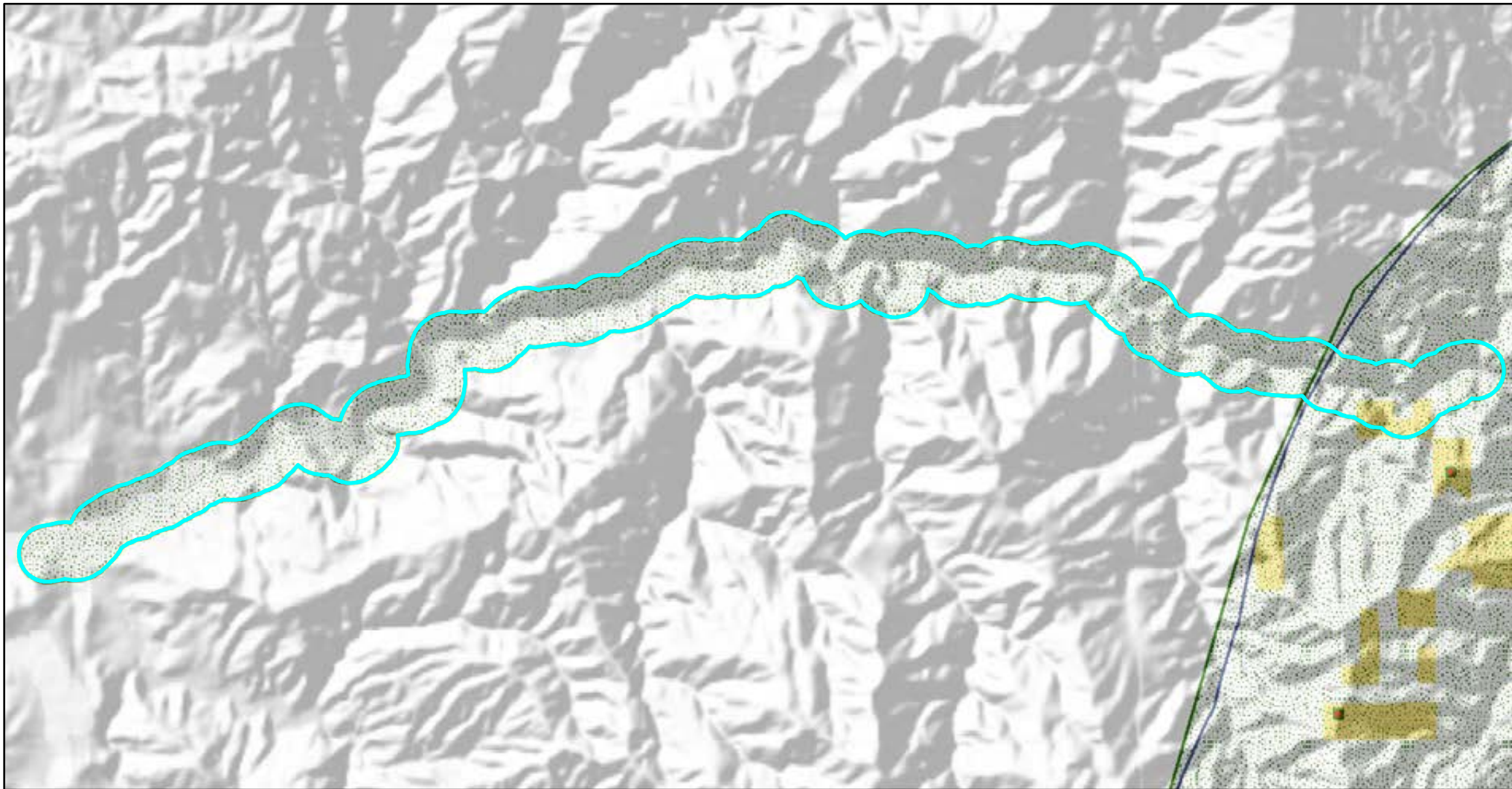
8/27/2015

Draft Map Boundaries Subject to Change

0 0.5 1  
Miles







### Conservation Footprint

- |                            |                |                           |
|----------------------------|----------------|---------------------------|
| ACEC Boundaries            | DRECP Boundary | Land Status               |
| Wildlife Allocation        | CDCA Boundary  | Bureau of Land Management |
| <b>Renewable Footprint</b> |                |                           |
|                            | Variance Lands |                           |

## Caliente Creek Area of Ecological Importance Alternative 4

8/27/2015

Draft Map Boundaries Subject to Change

0 0.5 1  
Miles



### Crater Mountain Wilderness Study Area

**National Conservation Lands Ecoregion:** Not in CDCA

**Description/Location:** This unit is located west of highway 395, about 6 miles southwest of Big Pine. The westernmost boundary of the unit abuts the Inyo National Forest. This unit is a small portion of a much larger Wilderness Study Area, the vast majority of which is north of the DRECP planning area boundary.

**Nationally Significant Values:** Not eligible for NCL proposal under PL 111-11 because not in CDCA..

**Special Designations/Management Plan/Date:** This majority of this unit, which is located north of the DRECP planning area boundary, was designated as an ACEC in the Bishop RMP (1993).

**Relevance and Importance Criteria:** This unit is a small portion (954 acres) of the Crater Mountain Wilderness Study Area (CA-010-062) described in the California Statewide Wilderness Study Report (1990). The majority of the Wilderness Study Area (6,597 acres) is located outside of the DRCEP planning area and 5,735 acres north of the DRECP planning area was designated as an ACEC in the Bishop RMP (1993).

The Crater Mountain unit supports wilderness characteristics related to naturalness and outstanding opportunities for solitude and primitive and unconfined recreation. The unit also supports important scenic and cultural values.

The unit provides winter range for the Goodale trans-Sierra migratory mule deer herd. The unit also provides habitat for tule elk and other wildlife species. This area supports wildlife and plant connectivity in the region.

**Grazing Allotment:** This unit overlaps portions of both the West Crater Mountain Allotment and the East Crater Mountain Allotment.

#### **Overarching Goals:**

Protect scenic values, enhance recreation opportunities and provide for interpretation of geologic features consistent with the existing guidance in the Bishop RMP.

Protect the natural values that contribute to opportunities for solitude and primitive and unconfined recreation.

Protect the natural values that contribute to the Owens Valley viewshed and the cultural values that contribute to the cultural significance of Crater Mountain.

Maintain and improve winter range for migratory mule deer.

Maintain and improve habitat and habitat connectivity for Sierran plant and animal species, including tule elk.

Where the CMAs in this Special Management Plan conflict from the CMAs included in Volume II of the Proposed LUPA and Final EIS, the more restrictive CMA would be applied (i.e. management that best supports resource conservation and limits impacts to the values for which the conservation unit was designated), unless otherwise specified.

If this area is included in the National Conservation Lands, the BLM will manage this area to protect the Nationally Significant Values above. Appropriate multiple uses will be allowed, consistent with this Special Unit Management Plan and the CMAs in Volume II. If an activity is not specifically covered by the CMAs, it will be allowed if it is consistent with the Nationally Significant Values, but prohibited if the uses conflict with those values.

**Designation and Acreage by Alternative:**

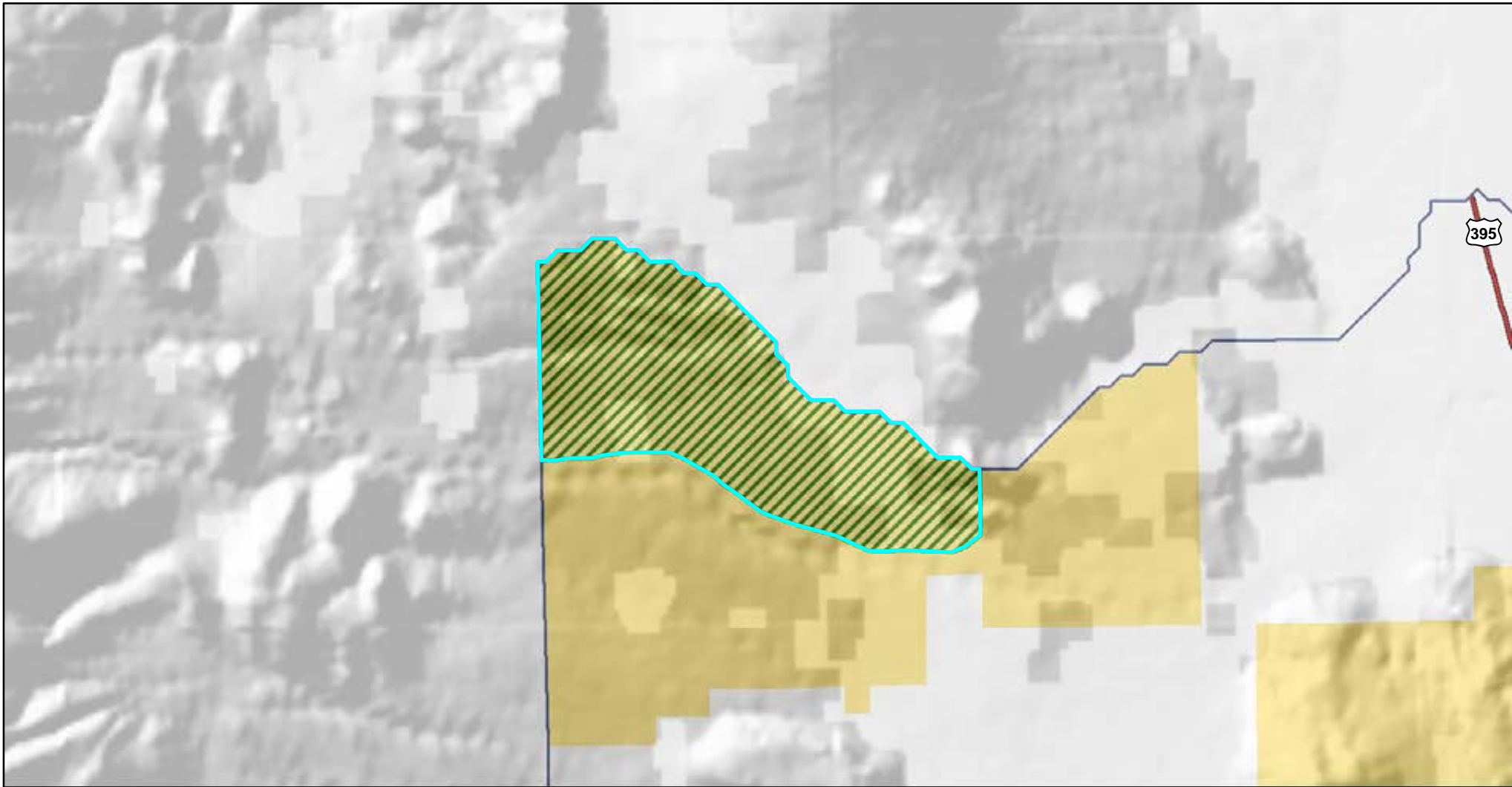
Alternative	BLM Acres of NLCS within ACEC or Wildlife Allocation	BLM Acres within ACEC	BLM Acres within Wildlife Allocation	ACEC Disturbance Cap
No Action	0	0	0	NA
Preferred Alternative	0	954	0	0.25%
1	0	954	0	0.25%
2	0	954	0	0.25%
3	0	954	0	0.25%
4	0	954	0	0.25%

**\* Acreage values are for BLM managed lands**

<b>Objectives (desired future conditions)/Allowable Uses/Management Actions</b>	<b>Resource</b>
<p>Allowable Uses:</p> <p>Treatments to maintain or improve native vegetation communities and special status species habitats are not subject to the ACEC disturbance cap.</p> <p>Management Actions:</p> <p>Design and implement treatments to maintain and improve native vegetation communities and special status species habitats.</p>	Vegetation - Including special status species
<p>Allowable Uses: Projects and treatments to maintain or improve fish and wildlife habitats are not subject to the ACEC disturbance cap.</p> <p>Management Actions: Design and implement projects and treatments to maintain and improve fish and wildlife habitats.</p>	Fish and Wildlife - Including special status species
<p>Allowable Uses: Vehicle travel is restricted to existing roads, routes and trails.</p> <p>Management Actions: Allow maintenance of existing roads, routes and trails.</p>	Trails and Travel Management
No development.	Renewable Energy

<p>Objective: Maintain natural and cultural values and integrity of large blocks of habitat.</p> <p>Allowable Uses: Not an allowable use. Renewable energy development is not compatible with NLCS and ACEC unit values and criteria.</p> <p>Geothermal: ACECs are closed to geothermal leasing and development unless they overlap with a DFA where geothermal is allowed. Where there is overlap, ACECs are open to geothermal leasing with an NSO stipulation.</p>	
<p>Allowable Uses: Existing allotments and use is authorized.</p>	<p>Livestock grazing</p>





# Conservation Footprint

ACEC Boundaries    DRECP Boundary    Land Status  
 0.25% Disturbance Cap    CDCA Boundary    Bureau of Land Management

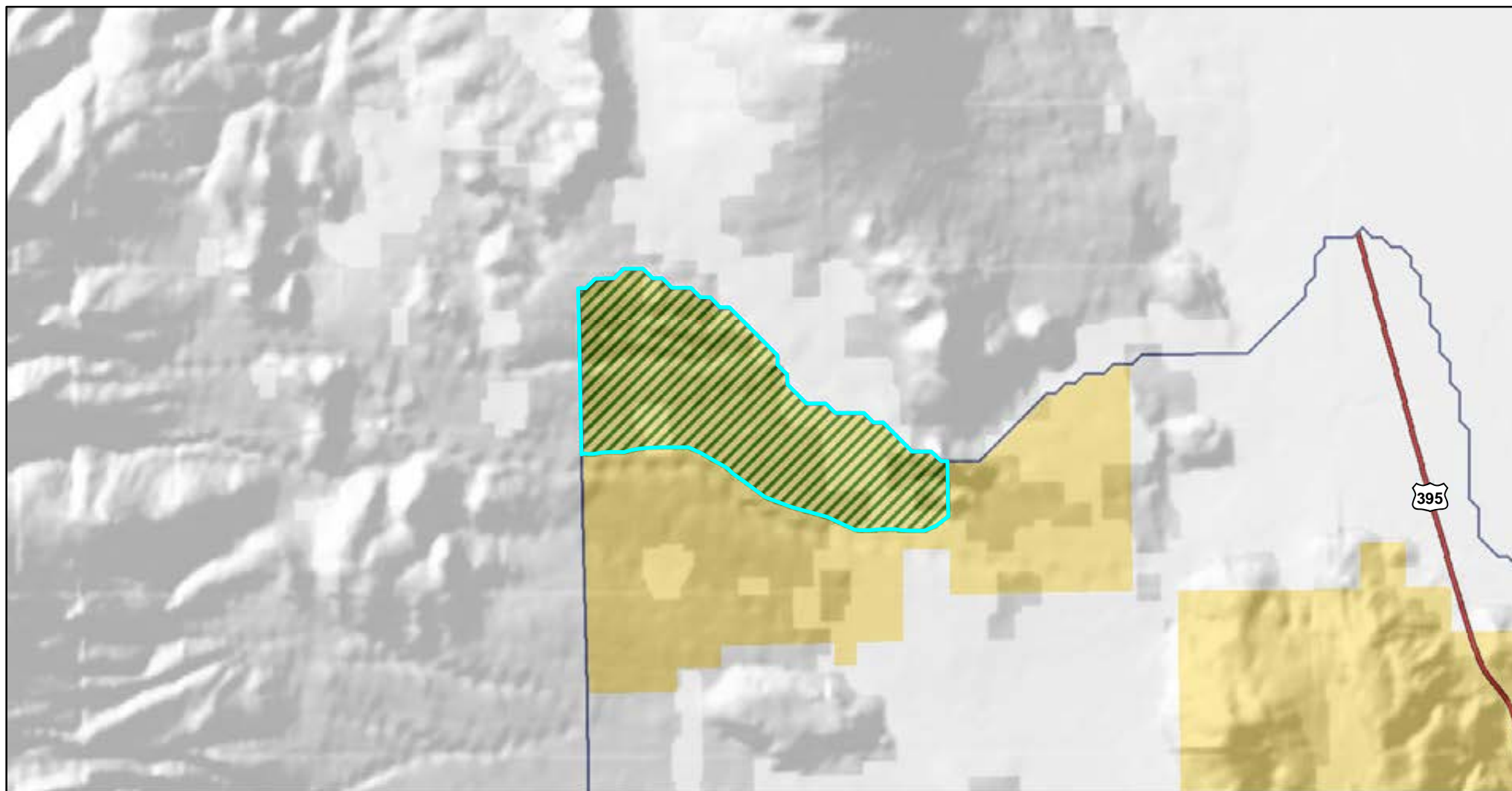
## Crater Mountain WSA

6/24/2015

Draft Map Boundaries Subject to Change

0    0.5    1  
Miles





Conservation Footprint

ACEC Boundaries



DRECP Boundary

Land Status



0.25% Disturbance Cap



Bureau of Land Management

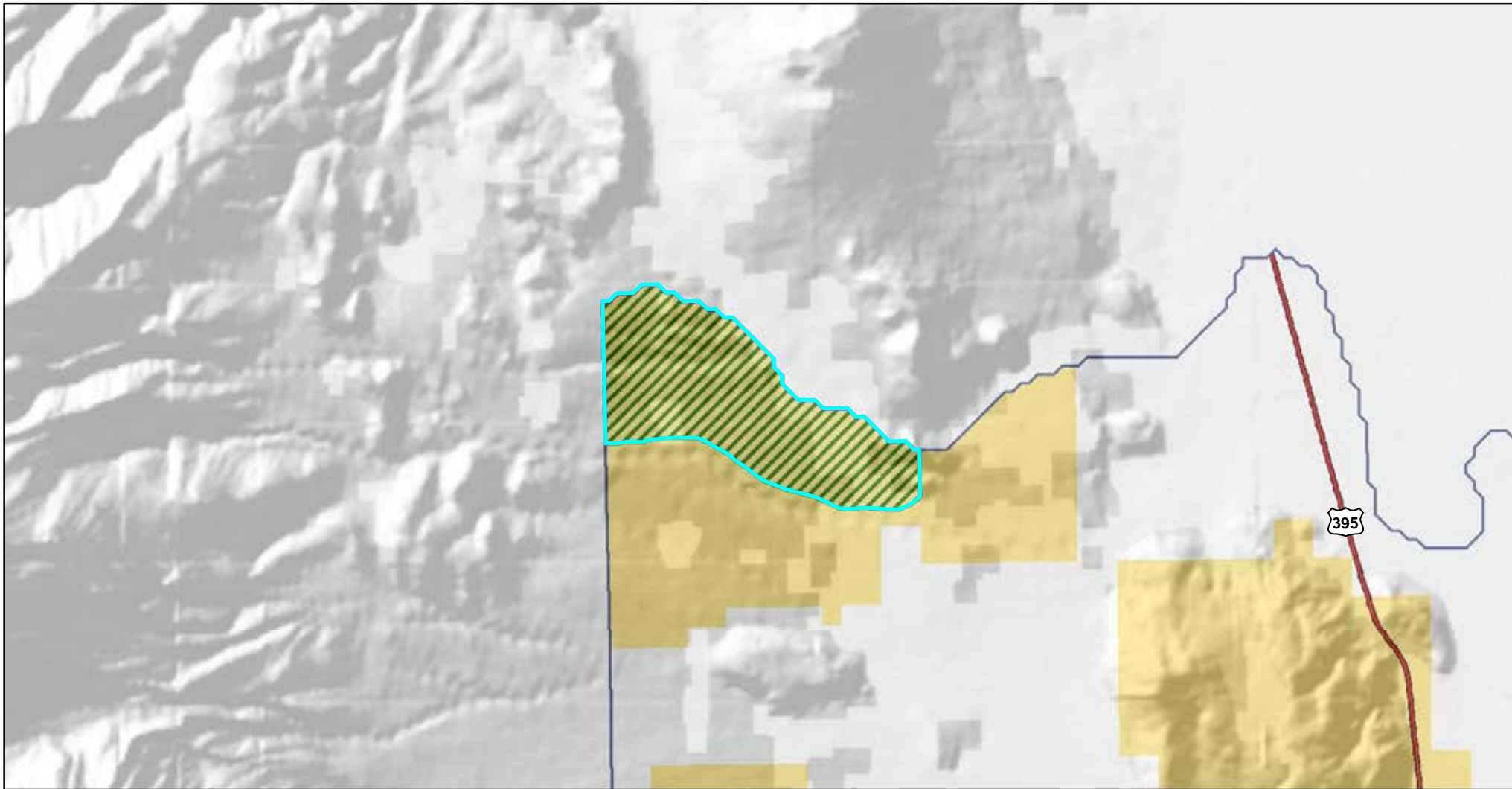
## Crater Mountain WSA Alternative 1

8/25/2015






Draft Map Boundaries Subject to Change

0 0.5 1 Miles





# Conservation Footprint

- |   |  |   |
|---|--|---|
|  National Conservation Lands |  DRECP Boundary | <b>Land Status</b>  |
| <b>ACEC Boundaries</b>  |  CDCA Boundary  |  Bureau of Land Management |
|  0.25% Disturbance Cap       |  |   |

## Crater Mountain WSA Alternative 2

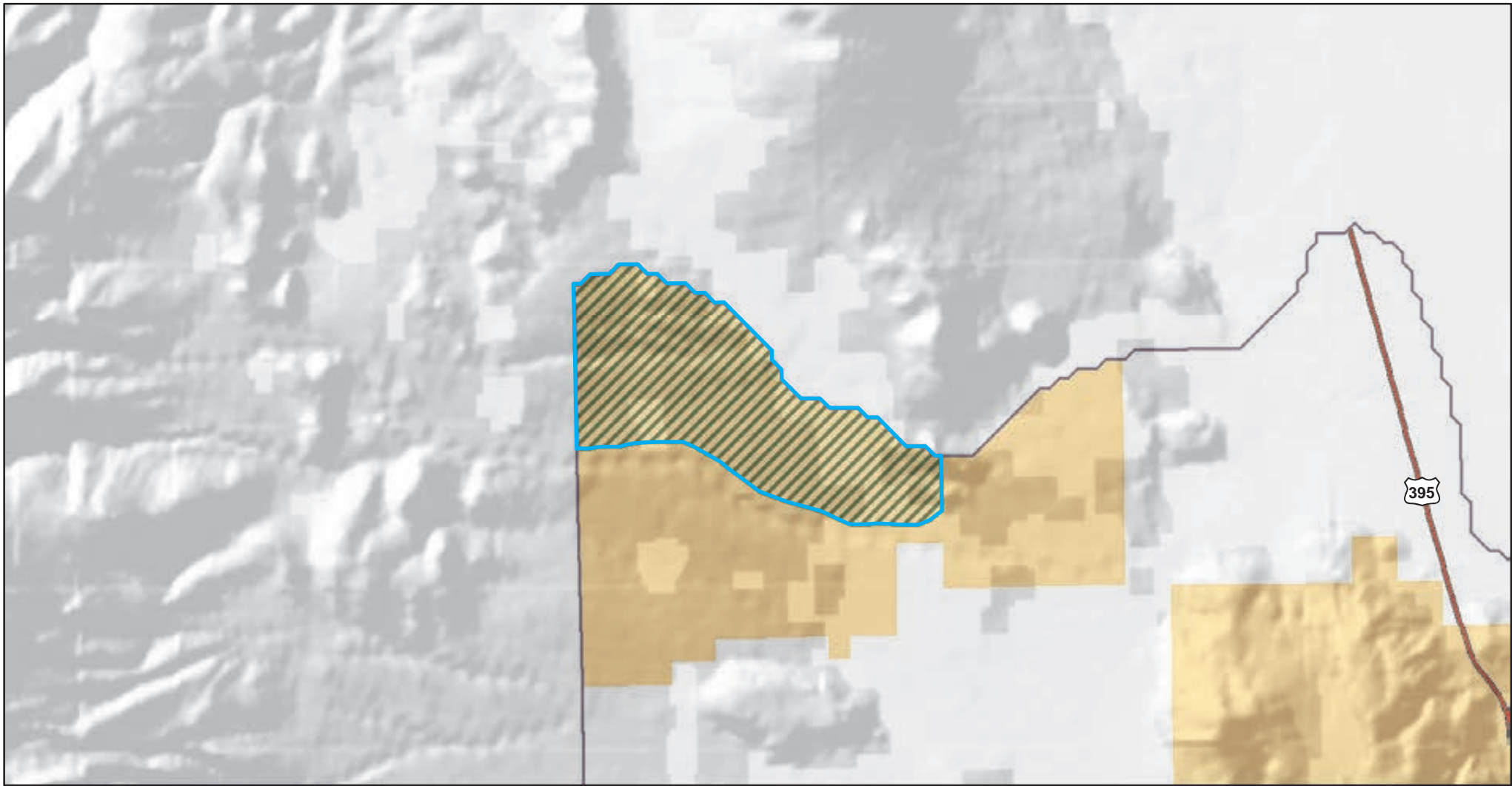
8/26/2015

Draft Map Boundaries Subject to Change

0 0.5 1  
Miles







# Conservation Footprint

ACEC Boundaries      DRECP Boundary      Land Status  
 0.25% Disturbance Cap      CDCA Boundary      Bureau of Land Management

## Crater Mountain WSA Alternative 3

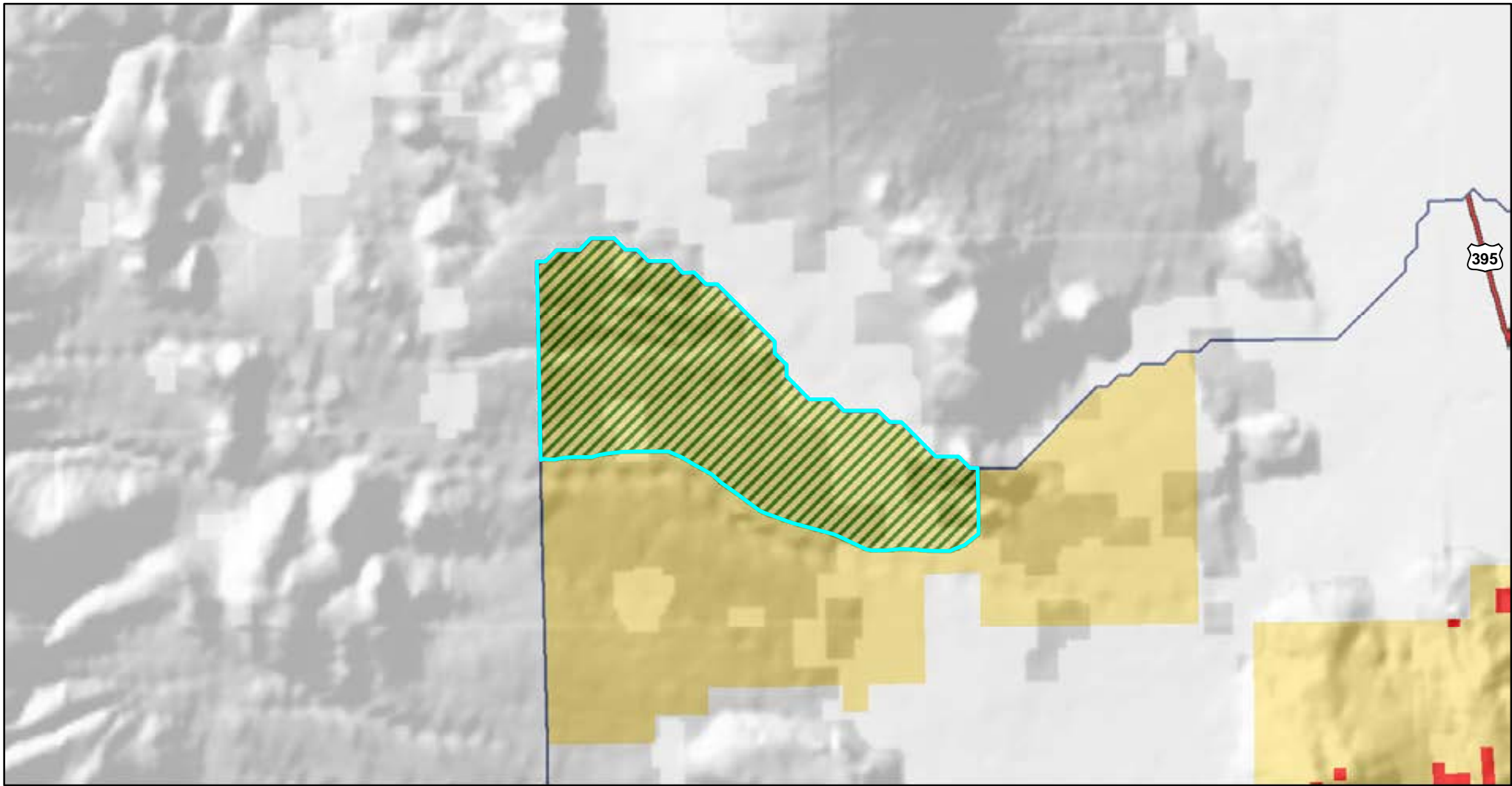
8/26/2015

Draft Map Boundaries Subject to Change

0      0.5      1  
 Miles







# Conservation Footprint

ACEC Boundaries

0.25% Disturbance Cap



DRECP Boundary



CDCA Boundary

Renewable Footprint



Variance Lands

Land Status

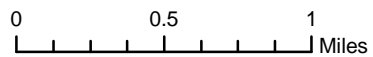
Bureau of Land Management

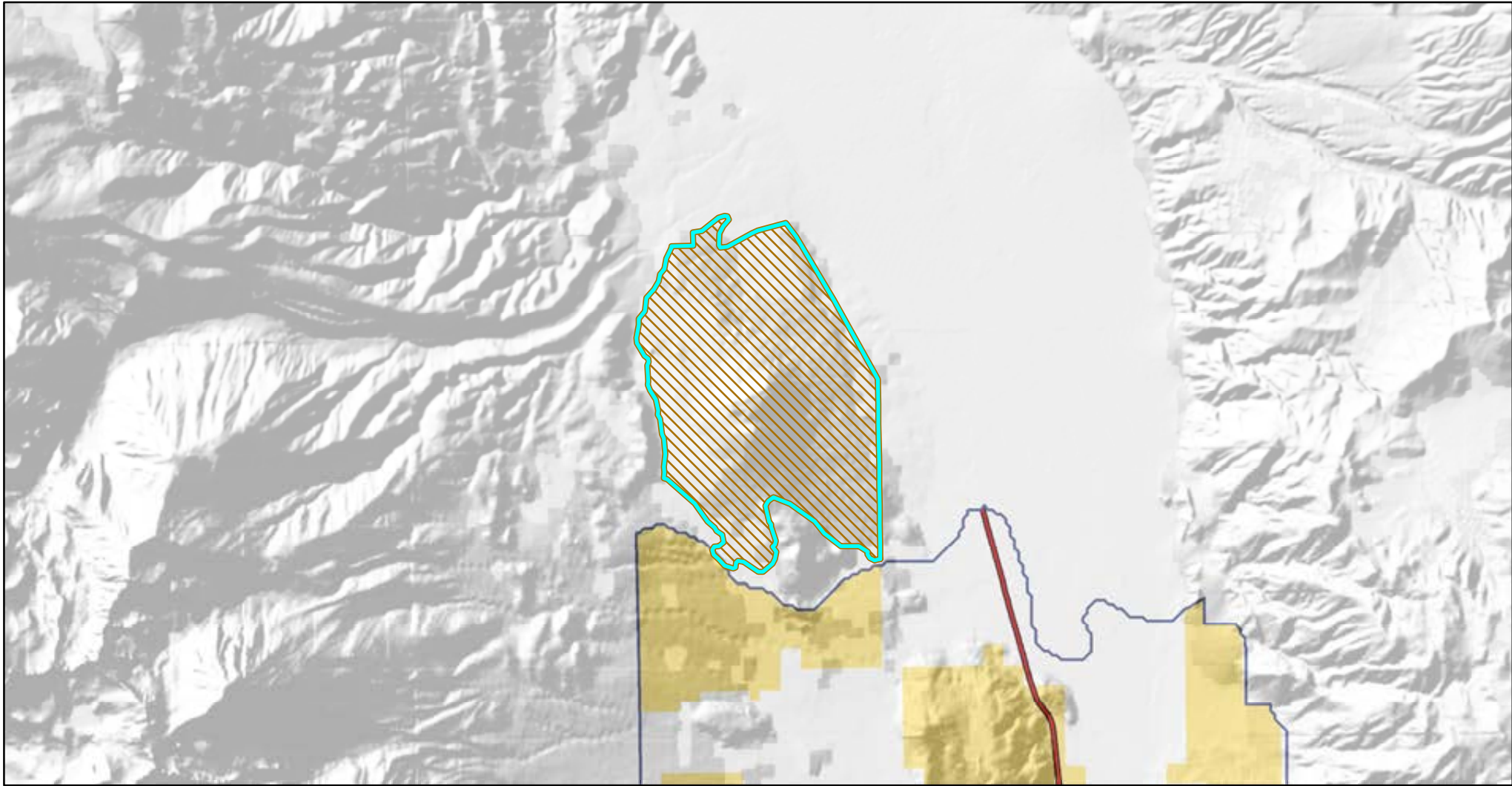
## Crater Mountain WSA

Alternative 4

8/27/2015

Draft Map Boundaries Subject to Change





Conservation Footprint

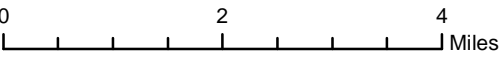
- Existing ACEC
- CDCA Boundary
- DRECP Boundary
- Land Status
- Bureau of Land Management

Crater Mountain

No Action

9/15/2015

Draft Map Boundaries Subject to Change



### Desert Tortoise Research Natural Area

**National Conservation Lands Ecoregion:** West Desert and Eastern Slopes

**Description/Location:** Located in the western Mojave Desert in eastern Kern County, California.

**Nationally Significant Values:**

**Ecological:** The Desert Tortoise Research Natural Area (DTRNA) was designated to provide protective management of habitat on public lands supporting the highest known continuous densities of desert tortoises. The area is also a natural desert ecosystem suitable for conducting research related to management of native flora and fauna.

**Scientific:** This Research Natural area has been the subject of long-term population monitoring studies for the desert tortoise. Mohave ground squirrel studies began last season.

**Special Designations/Management Plan/Date:** Plan 22/1988

**Relevance and Importance Criteria:** It is within the Mojave Ground Squirrel ACEC and the Fremont-Kramer ACEC. This area also contains habitat that supports additional special status species including the Barstow woolly sunflower, Burrowing Owl, Mohave Ground Squirrel, and the Desert Kit Fox. The DTRNA is managed cooperatively with the Desert Tortoise Preserve Committee, Inc. They have acquired additional lands within and bordering the DTNA as well as securing mitigation lands for CalTrans and other projects.

**Recreation Area:** This unit overlaps with El Paso/ Rand SRMA.

**Overarching Goals:** To protectively manage an area that supports a significant, high density of desert tortoises while providing opportunities for compatible recreation. To conduct research activates that help to guide in the management of the desert tortoise and its habitat.

Where the CMAs in this Special Management Plan conflict from the CMAs included in Volume II of the Proposed LUPA and Final EIS, the more restrictive CMA would be applied (i.e., management that best supports resource conservation and limits impacts to the values for which the conservation unit was designated), unless otherwise specified.

If this area is included in the National Conservation Lands, the BLM will manage this area to protect the Nationally Significant Values above. Appropriate multiple uses will be allowed, consistent with this Special Unit Management Plan and the CMAs in Volume II. If an activity is not specifically covered by the CMAs, it will be allowed if it is consistent with the Nationally Significant Values, but prohibited if the uses conflict with those values.

**Designation and Acreage by Alternative:**

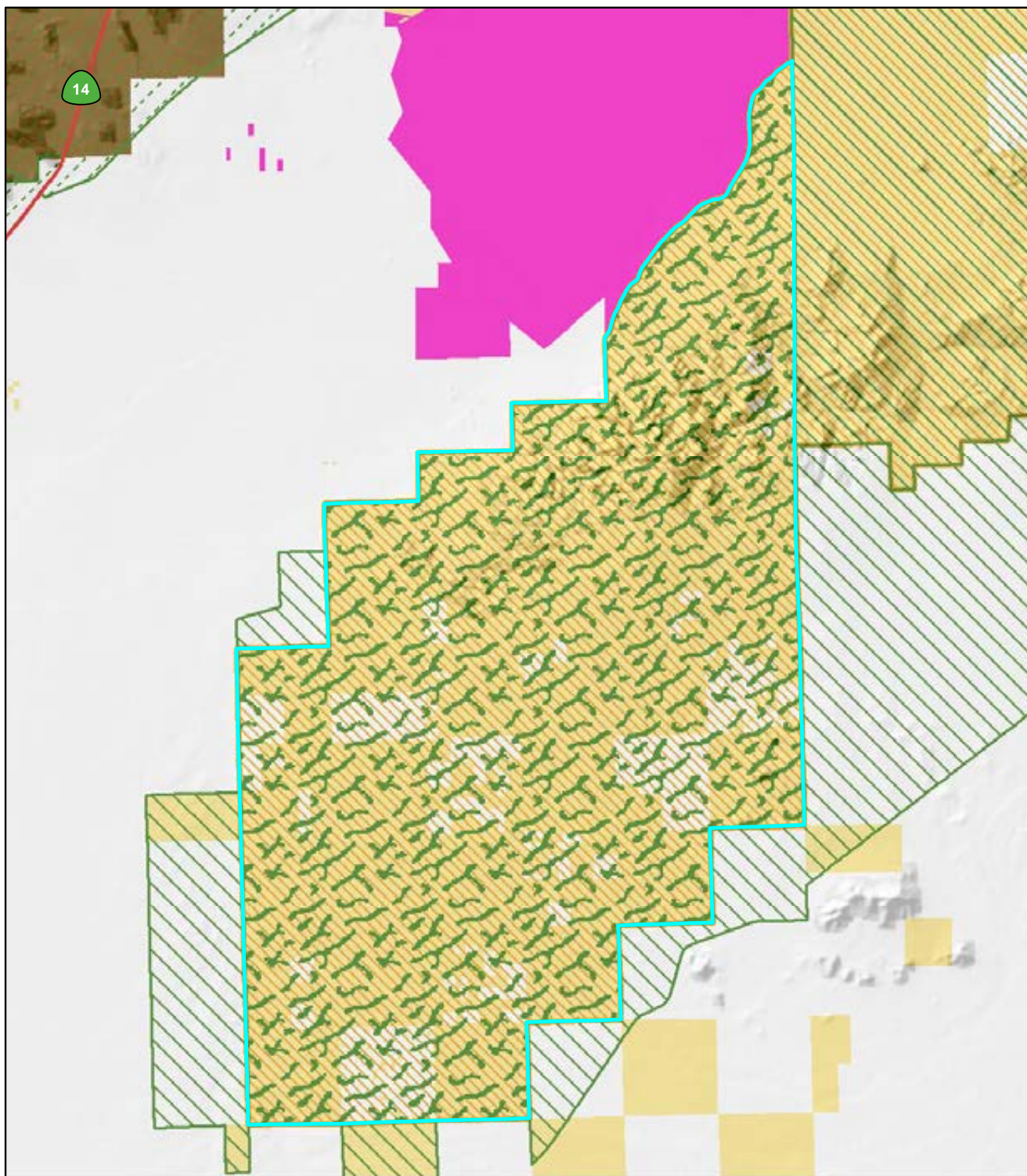
Alternative	BLM Acres of NLCS within ACEC or Wildlife Allocation	BLM Acres within ACEC	BLM Acres within Wildlife Allocation	ACEC Disturbance Cap
No Action	0	22,200	0	NA
Preferred Alternative	22,200	22,200	0	0.10%
1	0	22,200	0	1%
2	0	0	0	NA
3	22,200	22,200	0	0.10%
4	22,200	22,200	0	0.10%

\* Acreage values are for BLM managed lands



Objectives (desired future condition)/Allowable Uses/Management Actions	Resource
<p>Objective: Soils exhibit functional biological and physical characteristics that are appropriate to soil type, climate, and land form.</p> <p>Management Actions: Ensure soils to meet or exceed the Soil Standards as indicated by ground or plant cover, diversity of plant species, minimal evidence of accelerated wind and water erosion and the presence of biological soil crusts where appropriate.</p>	Soil, water, air
<p>Objective: Protect the following special status plants by ensuring habitat is in a stable or improving condition to keep the species from becoming listed under the ESA.</p> <p>Management Action: Protect and monitor populations of special status plant: Barstow Woolly Sunflower (<i>Eriophyllum mohavense</i>)</p> <p>Eliminate exotic vegetation, especially invasive mustards and Russian thistle</p>	Vegetation (incl. special status species)
<p>Objective: Protect and enhance habitat to maintain stable or increasing population trends of the desert tortoise to ensure persistence:</p> <p>Management Action: Protect, conserve, and enhance desert tortoise populations; reduce collecting, releasing, loss, and vandalism of desert tortoises.</p> <p>Management Action: Install and maintain signs and increase law enforcement presence.</p> <p>Complete perimeter fencing.</p> <p>Objective: Reduce loss of desert tortoise from vehicle kills.</p> <p>Management Action: Eliminate competitive OHV events on adjacent lands from Mar. 1 to June 30.</p> <p>Objective: Reduce loss of desert tortoises from firearms.</p>	Fish and Wildlife (incl. special status species)






Management Action: Close area to all firearm use except for limited hunting of upland game in the Rand Mts.	
Objective: Promote hiking trails Allowable Uses: Restrict vehicles to parking area and DTNA perimeter road. Management Action: Maintain nature trails and trail guides. Management Action: Increase information to public and compliance	Trails and Travel Management
Objective: Promote contemplative recreation and educational activities. Allowable Uses: Closed to firearms. Dogs prohibited, except on a leash in parking lot area. Management Action: Maintain nature trails and trail guides Management Action: Increase information to public and compliance	Recreation
Objective: Protect intact desert tortoise habitat  Allowable Uses: ROW exclusion area.	Rights of Way
Objective: Consolidate through tenure adjustment. Management Action: Acquire inholdings, edgeholdings and other interests from willing sellers.	Land Tenure
Objective: Maintain integrity of large blocks of habitat Allowable Uses: Not an allowable use. Renewable energy development is not compatible with NLCS and ACEC unit values and criteria. Closed to geothermal leasing.	Renewable Energy
Objective: Protect intact desert tortoise habitat Allowable Uses: closed to saleable minerals (i.e., mineral materials), and leasable minerals. Recommend closure to locatable minerals, based on previous management plan.	Locatable Minerals Mineral Materials Non-energy Leaseables
Objective: Protect intact tortoise habitat Allowable uses: Wildfires will be extinguished & using only water. Management Actions: No fire retardants or earth-moving equipment allowed.	Wildland Fire Management





### Conservation Footprint


-  Legislatively & Legally Protected Areas
-  National Conservation Lands

### ACEC Boundaries


-  0.1% Disturbance Cap
-  0.5% Disturbance Cap
-  1% Disturbance Cap

-  DRECP Boundary
-  CDCA Boundary

### Renewable Footprint

-  Development Focus Areas

### Land Status

-  Bureau of Land Management

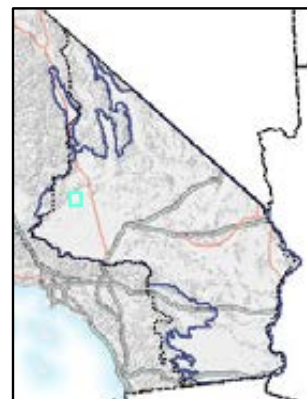
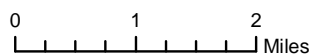
## Desert Tortoise Research Natural Area



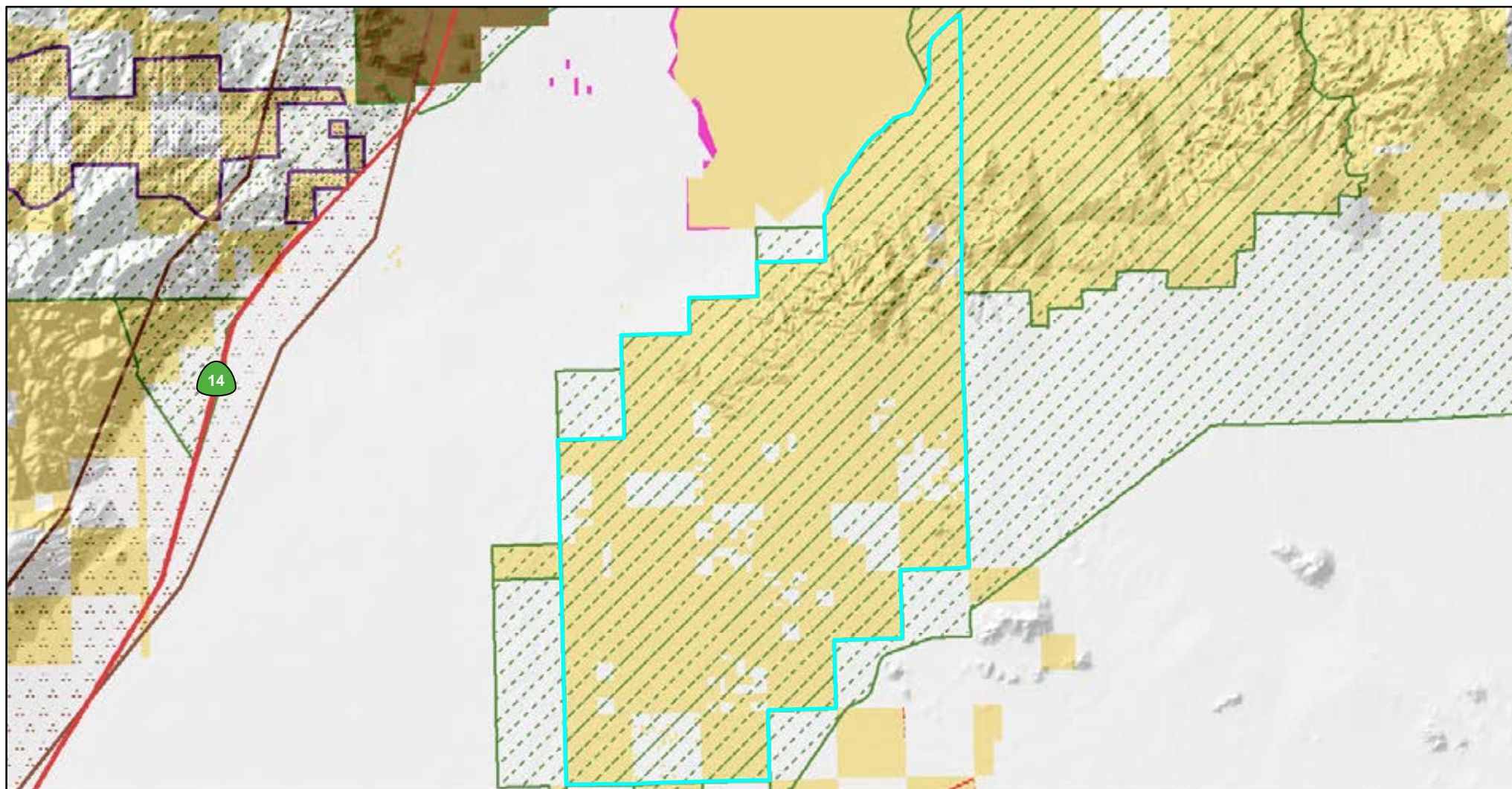
8/24/2015



Draft Map Boundaries Subject to Change







### Conservation Footprint

Legislatively & Legally Protected Areas

ACEC Boundaries

1% Disturbance Cap

DRECP Boundary

CDCA Boundary

Transmission Corridor

OHV Boundary

Renewable Footprint

Development Focus Areas

Variance Lands

### Land Status

Bureau of Land Management

0 1 2 Miles

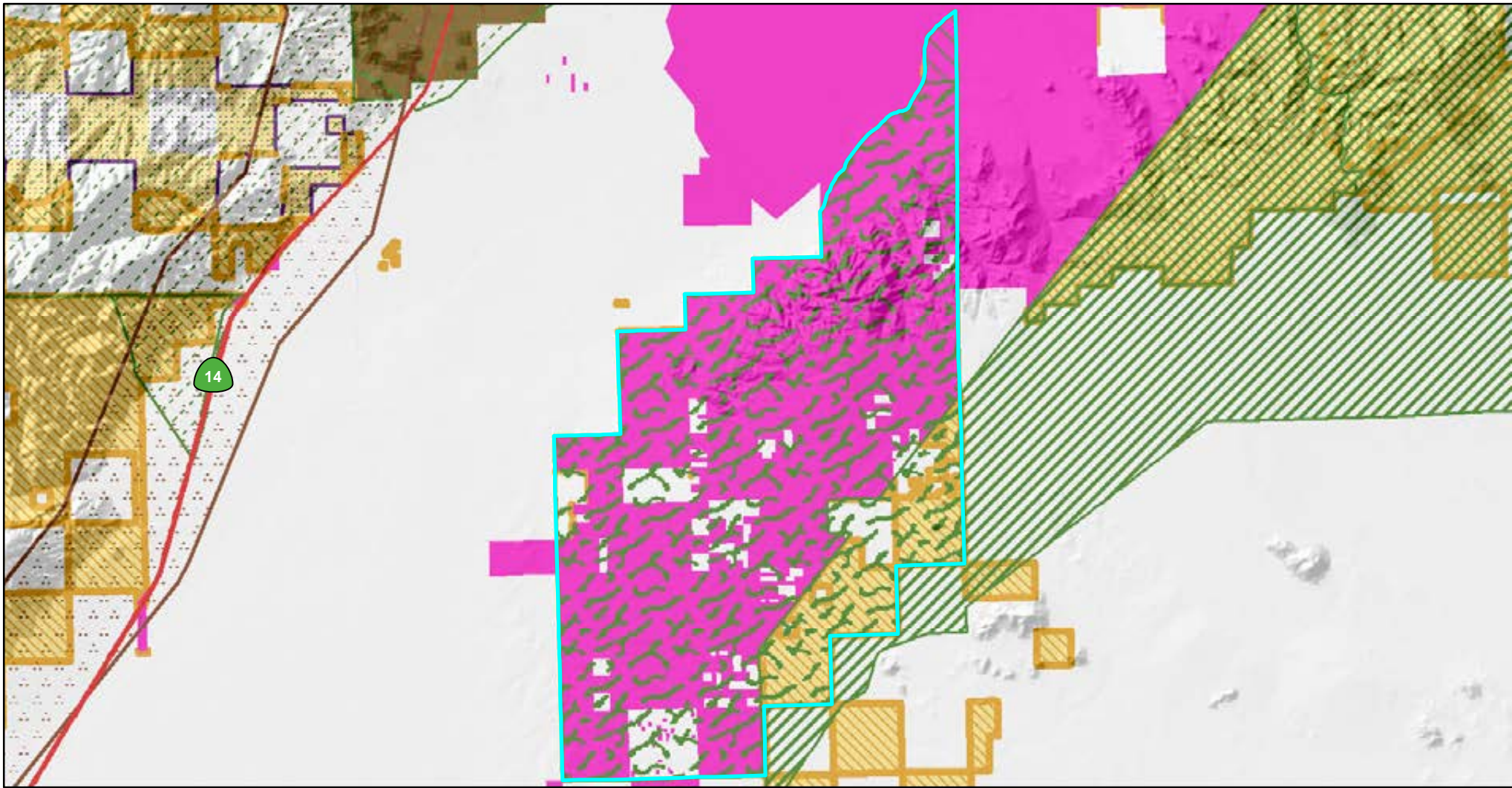
## Desert Tortoise Natural Area Alternative 1

8/25/2015



Draft Map Boundaries Subject to Change















### Conservation Footprint


-  Legislatively & Legally Protected Areas
-  National Conservation Lands

### ACEC Boundaries

-  0.1% Disturbance Cap
-  0.25% Disturbance Cap
-  0.5% Disturbance Cap
-  1% Disturbance Cap

-  DRECP Boundary
-  CDCA Boundary
-  Transmission Corridor
-  OHV Boundary

### Renewable Footprint

-  Development Focus Areas
- 0 1 2 Miles

### Land Status

-  Bureau of Land Management

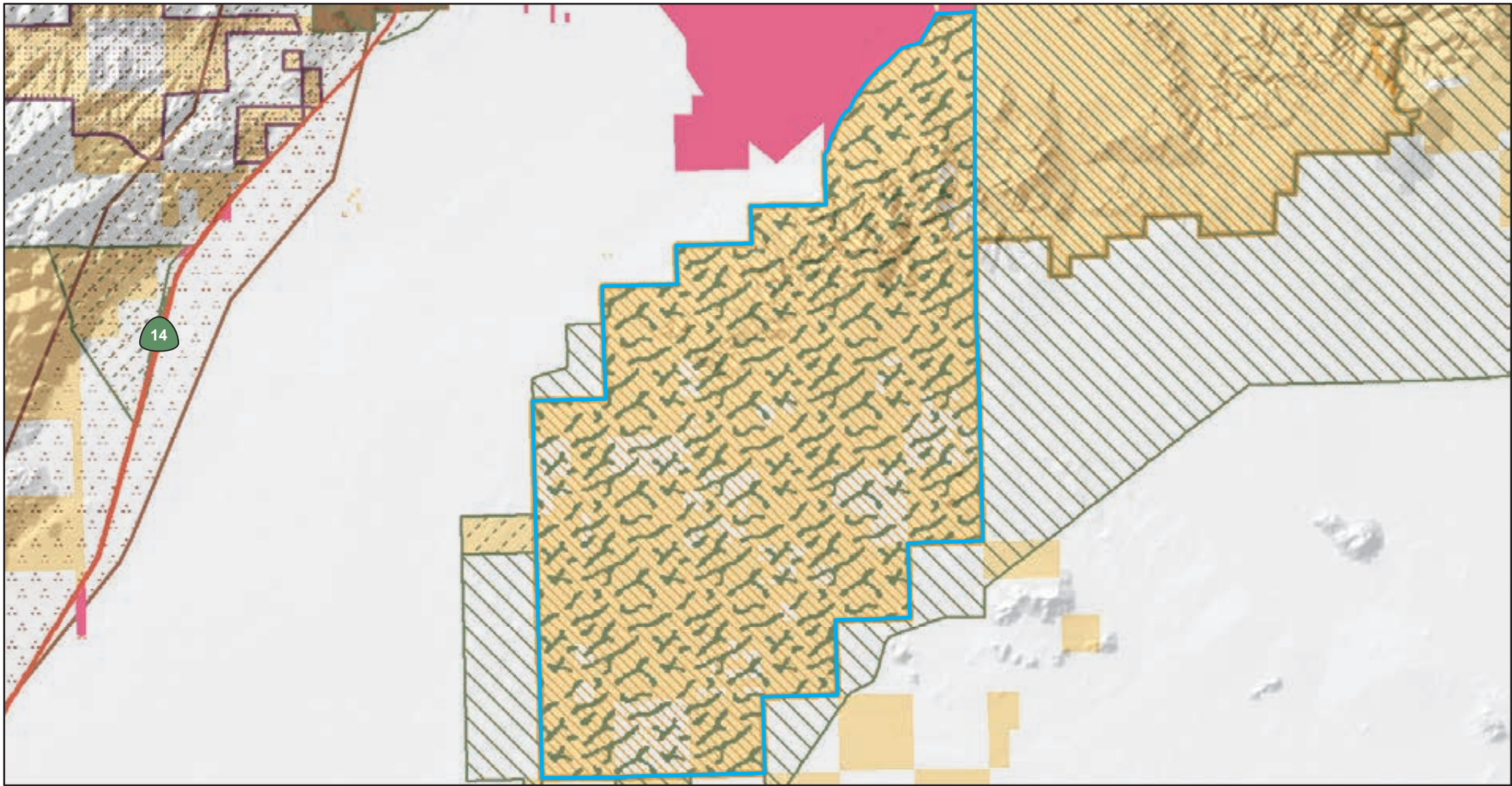
## Desert Tortoise Natural Area Alternative 2

8/26/2015

Draft Map Boundaries Subject to Change







### Conservation Footprint

Legislatively & Legally Protected Areas

National Conservation Lands

### ACEC Boundaries

0.1% Disturbance Cap

0.5% Disturbance Cap

1% Disturbance Cap

0 1 2  
Miles

DRECP Boundary

CDCA Boundary

Transmission Corridor

OHV Boundary

### Renewable Footprint

Development Focus Areas

### Land Status

Bureau of Land Management

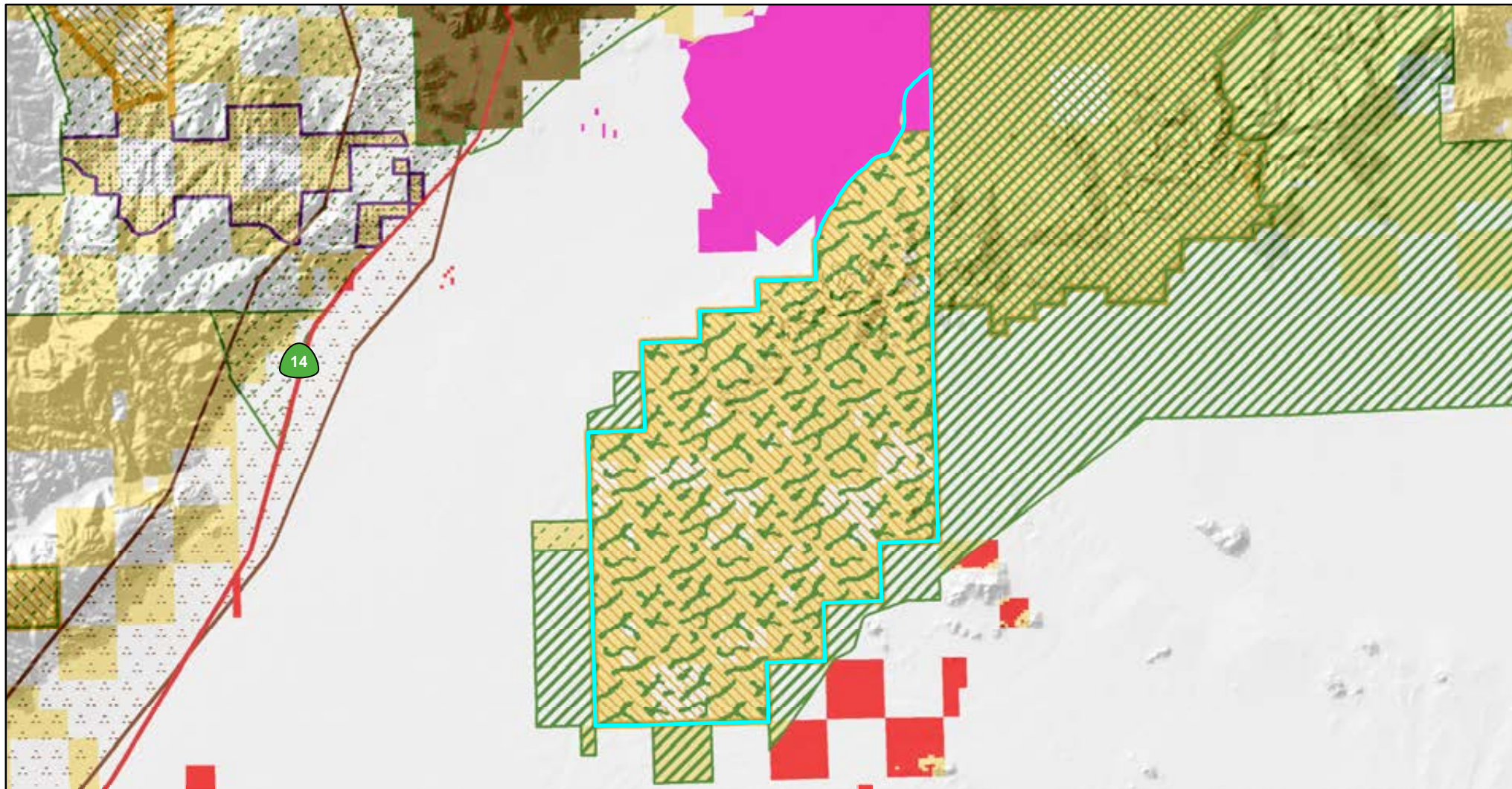
## Desert Tortoise Natural Area Alternative 3

8/26/2015

Draft Map Boundaries Subject to Change









## Conservation Footprint


 National Conservation Lands

 Legislatively & Legally Protected Areas

## ACEC Boundaries

 0.1% Disturbance Cap


 0.25% Disturbance Cap

 1% Disturbance Cap

0 1 2  
Miles

 DRECP Boundary


 CDCA Boundary

 Transmission Corridor

 OHV Boundary

## Renewable Footprint

 Development Focus Areas

 Variance Lands

## Land Status

 Bureau of Land Management

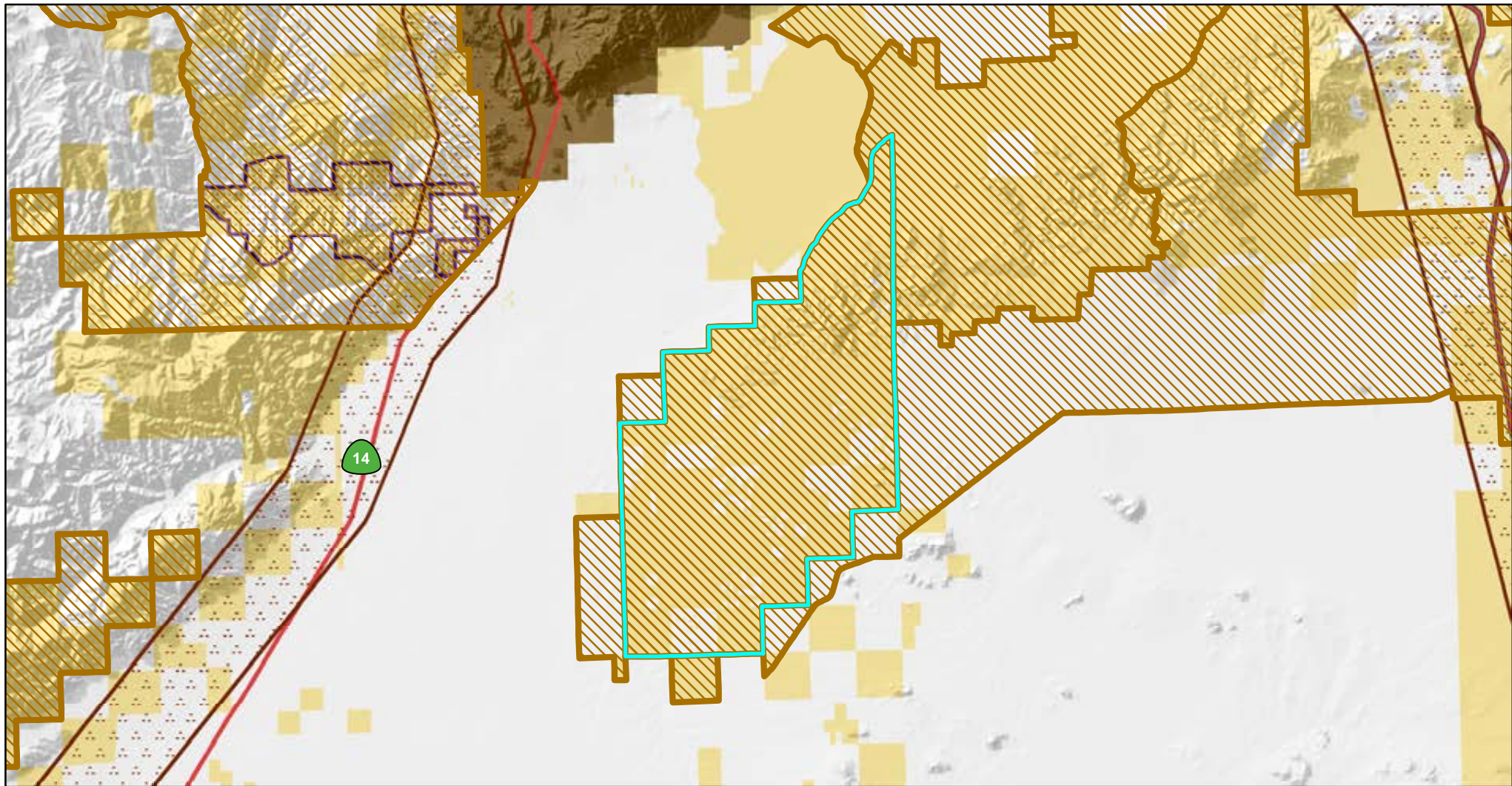
## Desert Tortoise Natural Area Alternative 4

9/16/2015







Draft Map Boundaries Subject to Change








### Conservation Footprint

-  Existing ACEC
-  Transmission Corridor
-  CDCA Boundary
-  DRECP Boundary
-  OHV Boundary
-  Legislatively & Legally Protected Areas

### Land Status

-  Bureau of Land Management

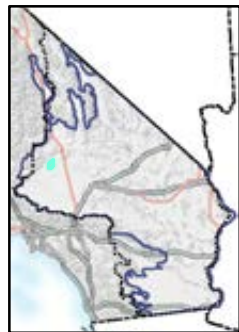
0 4 8 Miles

## Desert Tortoise Natural Area

No Action

9/15/2015

Draft Map Boundaries Subject to Change





### **Eagles Flyway**

**National Conservation Lands Ecoregion:** West Desert and Eastern Slopes and Basin and Range

**Description/Location:** South of CA State Hwy 178; east of CA State Hwy 14; north of EP15; west of El Paso Mountain Wilderness.

**Nationally Significant Values:**

**Ecological:** This area connects Robber's Roost Birds of Prey Nesting Area to the El Paso Wilderness. It is an important area for maintaining connectivity for raptors and other wildlife between the Sierras and the El Paso Mountains. Golden eagles, which are protected under the Bald and Golden Eagle Protection Act, have frequently been seen flying from the Sierras across this area to the El Pasos. This area provides prime upland foraging for these birds of prey.

The area also includes Mohave ground squirrel (MGS) core habitat within the MGS Conservation Area. This is one of only 11 core population centers. The Little Dixie wash acts as a corridor for this species and is critical to maintaining species diversity and genetic linkages. There is also a healthy population of state and federally threatened desert tortoise found here.

**Scientific:** Due to its location within a cope population area, this area has been a primarily focus area Mohave ground squirrel research.

**Special Designations/Management Plan/Date:** No previous special designation

**Relevance and Importance Criteria:** The habitat has healthy stands of Desert Needle grass and Indian Rice grass, as well as a diversity of desert shrub species. Very little disturbance has occurred here other than ephemeral sheep grazing. Views from Inyokern-Red Rock Road towards the Sierras are stunning, with little evidence of human occupancy.

**Recreation Area:** This unit overlaps with El Paso / Rand SRMA.

**Grazing Allotment:** This unit overlaps with Cantil Common and Rudnick Common Allotments.

**Overarching Goals:** Allow safe passage of golden eagles and other raptors between east-west habitats. Protect Mohave ground squirrel habitat; maintain wildlife habitat connectivity and prevent fragmentation; retain healthy desert habitat for species such as burrowing owls, Le Conte's thrashers, loggerhead shrikes and other bird species. Maintain native bunch grasses, desert wash habitat and desert shrub diversity, as well as expansive views across undisturbed desert to the Sierra Mountains.

Where the CMAs in this Special Management Plan conflict from the CMAs included in Volume II of the Proposed LUPA and Final EIS, the more restrictive CMA would be applied (i.e., management that best supports resource conservation and limits impacts to the values for which the conservation unit was designated), unless otherwise specified.

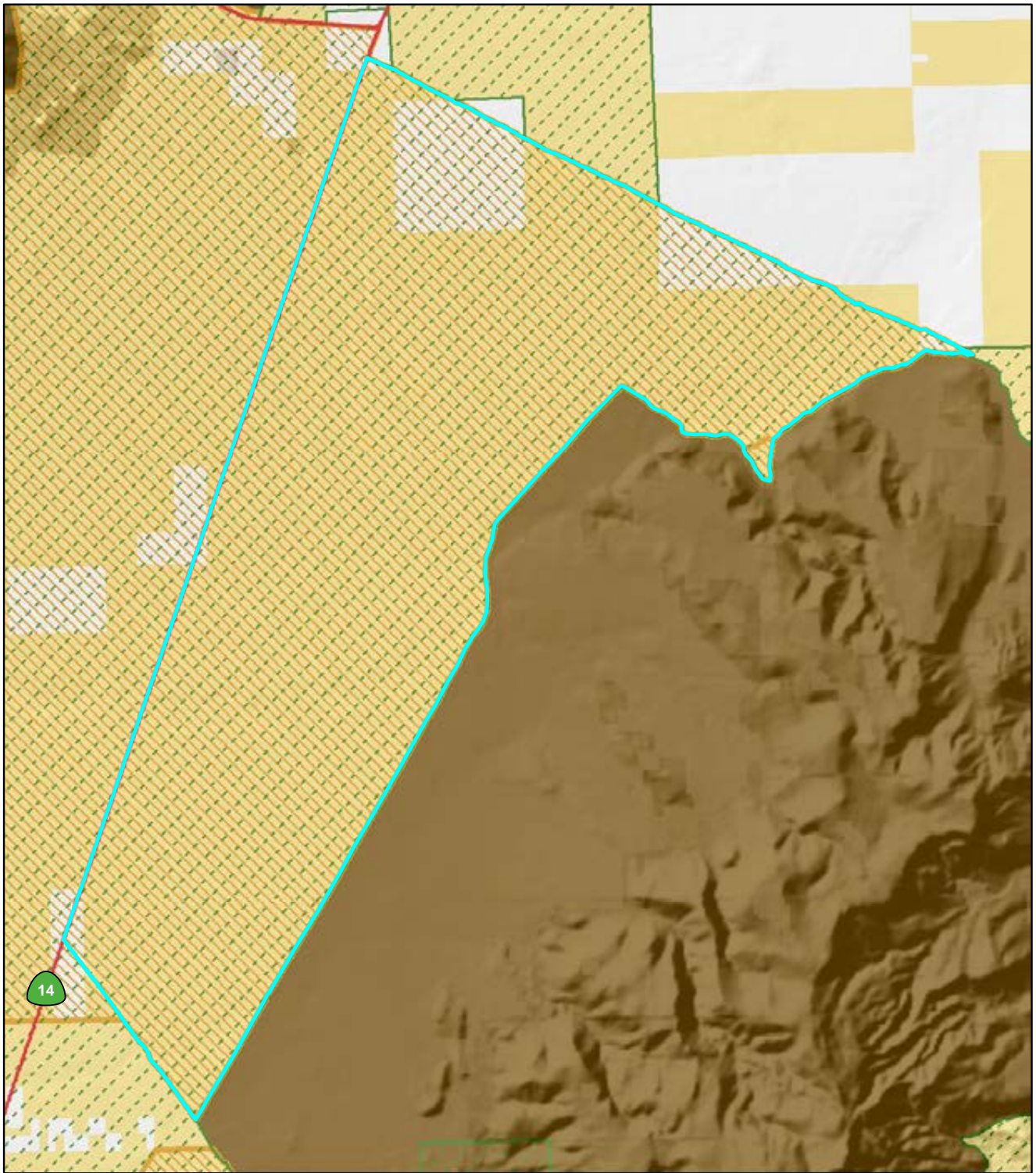
If this area is included in the National Conservation Lands, the BLM will manage this area to protect the Nationally Significant Values above. Appropriate multiple uses will be allowed, consistent with this Special Unit Management Plan and the CMAs in Volume II. If an activity is not specifically covered by the CMAs, it will be allowed if it is consistent with the Nationally Significant Values, but prohibited if the uses conflict with those values.

<b>Designation and Acreage by Alternative:</b>				
Alternative	BLM Acres of NLCS within ACEC or Wildlife Allocation	BLM Acres within ACEC	BLM Acres within Wildlife Allocation	ACEC Disturbance Cap
No Action	0	0	0	NA
Preferred Alternative	10,982	10,982	0	1%
1	0	11,000	0	1%
2	0	0	0	
3	11,000	11,000	0	1%
4	7,600	11,000	0	1%
<b>* Acreage values are for BLM managed lands</b>				
<b>Objectives (desired future condition)/Allowable Uses/Management Actions</b>			<b>Resource</b>	
<p>Objective: Soils exhibit functional biological and physical characteristics that are appropriate to soil type, climate, and land form.</p> <p>Allowable Uses: Restrict construction activities when soils are susceptible to heightened risk of erosion.</p> <p>Management Actions: Ensure soils to meet or exceed the Soil Standard of Rangeland Health, as indicated by ground or plant cover, diversity of plant species, minimal evidence of accelerated wind and water erosion and the presence of biological soil crusts where appropriate.</p>			Soil, water, air	
<p>Objective: Maintain intact vegetation communities and prevent fragmentation.</p> <p>Management Action: Remove invasive plants, rehabilitate/revegetate disturbed areas</p> <p>Management Action: Monitor to ensure diverse vegetation with Rangeland Health Standards</p>			Vegetation (incl. special status species)	
<p>Objective: Protect flyway to ensure current safe passage of resident and migratory bird species.</p> <p>Allowable Uses: Linear rows allowed with mitigation measures</p> <p>Management Actions: New proposals will need to be analyzed at on a case-by-case basis and cumulatively, to assess whether they can be accommodated within the ACEC and its management goals.</p> <p>Objective: Protect and enhance habitat to maintain stable or increasing population trends of special status species to ensure persistence:</p> <p>Management Action: Designate Golden Eagle as priority species for management and protection.</p> <p>Management Action: Maintain stable or increasing population trends of special status species to ensure persistence:</p> <p>American Badger (<i>Taxidea taxus</i>)      State Special Animal</p>			Fish and Wildlife (incl. special status species)	

<p>Desert Tortoise (<i>Gopherus agassizii</i>) Federally and State threatened          Mohave ground squirrel (<i>Spermophilus mohavensis</i>) State threatened          Yellow-eared pocket mouse ( <i>Perognathus xanthonotus</i>) BLM sensitive          Prairie Falcon (<i>Falco mexicanus</i>) USFWS Bird of Conservation Concern          Burrowing Owl (<i>Athene cunicularia</i>) BLM Sensitive          Le Conte's Thrasher (<i>Toxostoma lecontei</i>) State Species of Special Concern          Loggerhead Shrike (<i>Lanius ludovicianus</i>) BLM Sensitive</p>	
<p>Objective: Limit vehicles to open designated routes and prevent user-created routes from developing.          Allowable Uses: Motorized, non-motorized, Non-mechanized,          Management Action: Sign designated routes routinely          Management Action: Use minimization criteria for designating routes in Mohave ground squirrel and Desert tortoise habitat.          Management Action: Increase compliance with routes of travel and the Travel Management Plan.</p>	Trails and Travel Management
<p>Objective: Area would be managed within the El Paso / Rand SRMA. Provide dispersed opportunities for enjoyment of the ACEC attributes</p> <p>Allowable Uses: All forms of casual and permitted recreational uses are allowed including but not limited to dispersed camping, hunting, photography, picnicking, climbing, rock hounding, astronomy/star gazing, nature study and viewing.</p> <p>Management Action: Increase compliance with routes of travel and the Travel Management Plan, maintain signs, vehicle barriers and kiosks, and work with volunteers to clean-up parking and camping areas on a regular basis.</p> <p>Management Action Work to make sure stopping, parking and camping distance from designated routes are adhered to. As needed and funding allows the following corrective measures may be implemented: signing, delineating camping boundaries, installing vehicle barriers, and restoring areas behind signs, rocks, and barriers to stop vehicle camping use from expanding.</p>	Recreation
<p>Objective: Consolidate through tenure adjustment.          Management Action: Acquire inholdings, edgeholdings and other interests from willing sellers.</p>	Land Tenure
<p>Objective: Protect resource values of the ACEC</p> <p>Management Action 1: Land use authorization proposals (new, renewal, and amendment) will be analyzed on a case-by-case basis to assess whether they are compatible with the ACEC and its management goals.          Management Action 2: No ROWs that alter groundwater regimes</p>	Rights of Way
<p>Not an allowable use. Renewable energy development is not compatible with NLCS and ACEC unit values and criteria.          ACECs are closed to geothermal leasing and development unless they overlap with a DFA where geothermal is allowed. Where there is overlap, ACECs are open to geothermal leasing with an NSO stipulation.</p>	Renewable Energy




<p>Objective: Support the national need for reliable and sustainable domestic minerals while protecting the sensitive resources in the area.</p> <p>Management Actions: New proposals will need to be analyzed at on a case-by-case basis and cumulatively, to assess whether they can be accommodated within the ACEC and its management goals.</p>	<p>Locatable Minerals Mineral Materials Non-energy Leaseables</p>
<p>Objective: Provide for livestock grazing opportunities in a manner that limits impacts on other resources</p> <p>Allowable Uses: Adjust livestock use where monitoring data indicate changes are necessary to meet resource objectives. Existing allotments are authorized but do not authorize new allotments or expansion of existing allotments (either in size or increase in number of AMUs), if willing relinquishment, would be made unavailable. Cantil Common grazing allotment.</p> <p>Management Actions: Manage grazing authorizations to meet or exceed the Standards for Rangeland Health.</p>	<p>Livestock grazing</p>

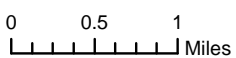


### Conservation Footprint

- |   |  |   |
|---|--|---|
|  Legislatively & Legally Protected Areas |  DRECP Boundary | Land Status   |
|  National Conservation Lands             |  CDCA Boundary  |  Bureau of Land Management |

### ACEC Boundaries

-  1% Disturbance Cap



## Eagles Flyway

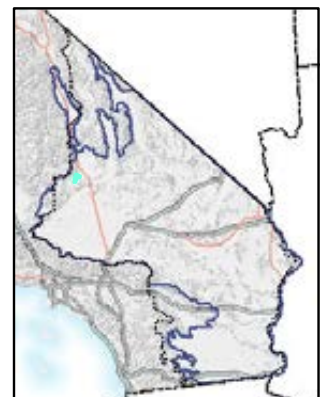


6/25/2015

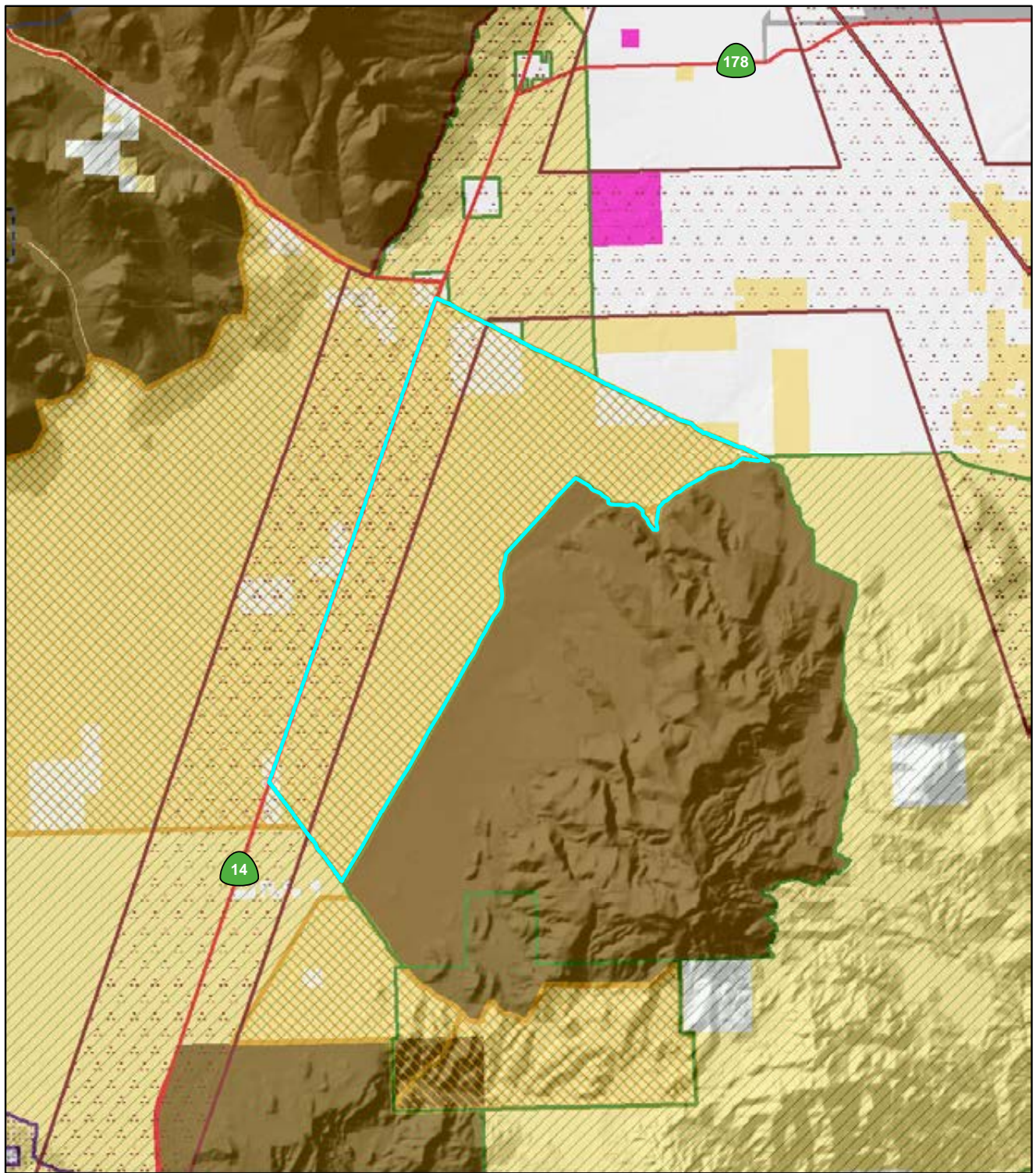


Draft Map Boundaries Subject to Change

1177







### Conservation Footprint

- Legislatively & Legally Protected Areas
- National Conservation Lands
- Proposed ACEC

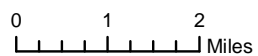
### Renewable Footprint

- Development Focus Areas

- DRECP Boundary
- CDCA Boundary
- Transmission Corridor
- OHV Boundary

### Land Status

- Bureau of Land Management
- Department of Defense



## Eagles Flyway

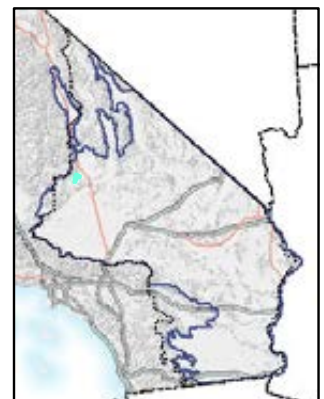


7/14/2015

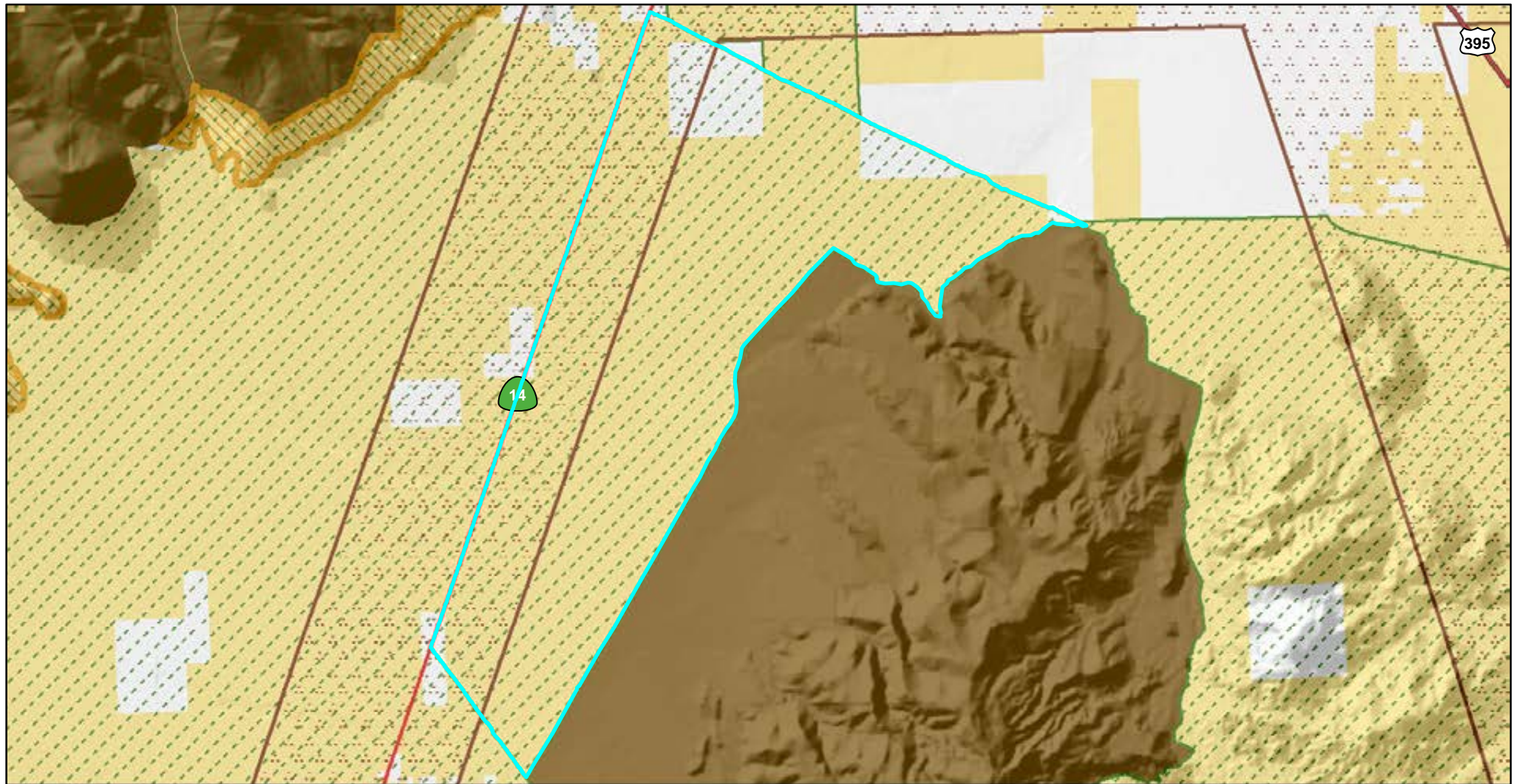


Draft Map Boundaries Subject to Change


1178








### Conservation Footprint

 Legislatively & Legally Protected Areas

 National Conservation Lands

ACEC Boundaries

 1% Disturbance Cap

 DRECP Boundary

 CDCA Boundary

 Transmission Corridor

Land Status

 Bureau of Land Management

## Eagles Flyway Alternative 1

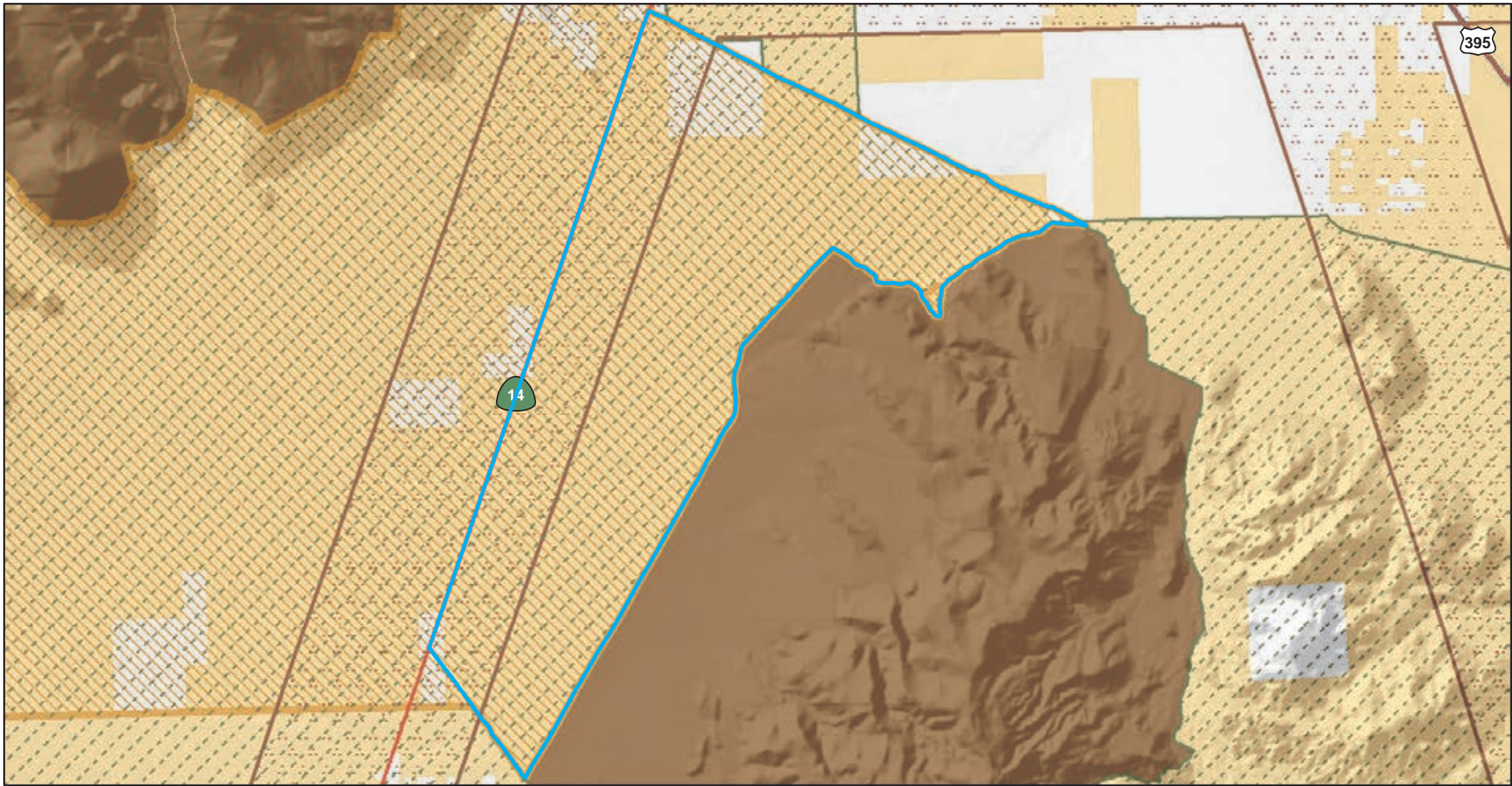
8/25/2015

Draft Map Boundaries Subject to Change

0 1 2  
Miles







### Conservation Footprint

 Legislatively & Legally Protected Areas


 National Conservation Lands

### ACEC Boundaries

 1% Disturbance Cap

 DRECP Boundary

 CDCA Boundary

 Transmission Corridor

### Land Status

 Bureau of Land Management

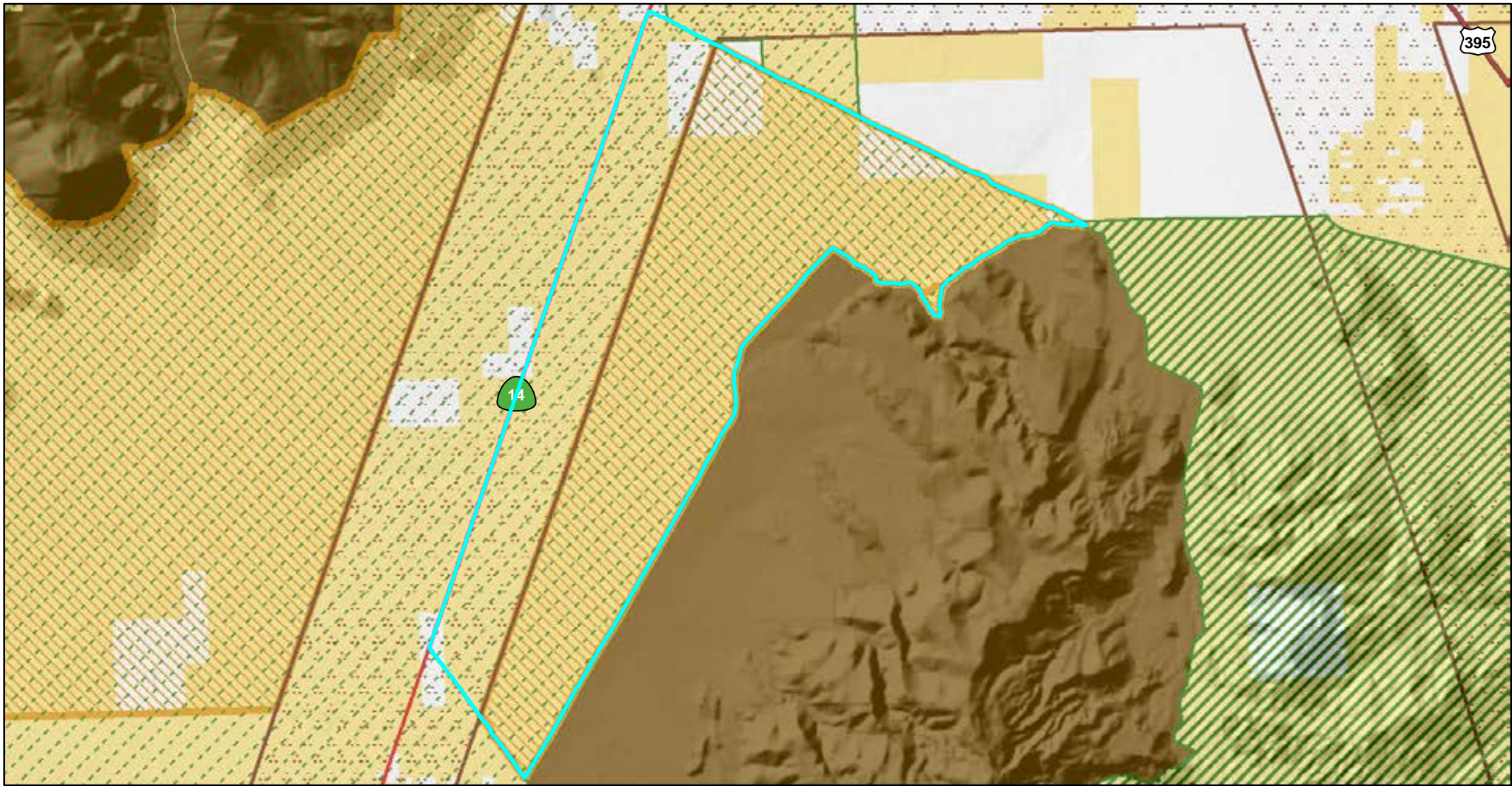
## Eagles Flyway Alternative 3

8/26/2015









Draft Map Boundaries Subject to Change







### Conservation Footprint

- |   |   |   |
|---|---|---|
|  National Conservation Lands             |  DRECP Boundary        | <b>Land Status</b>  |
|  Legislatively & Legally Protected Areas |  CDCA Boundary         |   |
| <b>ACEC Boundaries</b>  |  Transmission Corridor |  Bureau of Land Management |
|  0.25% Disturbance Cap                   |   |   |
|  1% Disturbance Cap                      |   |   |

0 0.5 1  
Miles

## Eagles Flyway Alternative 4

8/27/2015

Draft Map Boundaries Subject to Change



### El Paso to Golden Valley Wildlife Corridor

**National Conservation Lands Ecoregions:** Basin and Range, Mojave and Silurian Valley, and West Desert and Eastern Slopes

**Description/Location :**South and East of the El Paso Wilderness, north of Redrock-Garlock Road and west of highway 395.

**Nationally Significant Values:** Not proposed for NLCS designation.

**Special Designations/Management Plan/Date:** No previous special designation. The Last Chance Canyon National Register District was listed in 1971.

**Relevance and Importance Criteria:** This area is of local importance to the residents of the town of Ridgecrest as is evident from the request by them to separate it in the El Paso Collaborative Access Plan (CAPA). The area is avidly used for rock hounding and other various recreation. A variety of songbirds use the area, both during migration and as nesting habitat. Resident songbird species include loggerhead shrikes and Le Conte's thrashers. There are at least four special status bat species, including the sensitive Townsend's big-eared bat, that call this area home. Badgers and kit foxes are also found here.

There are plants that are endemic to a portion of this area such as the Red Rock poppy and the Red Rock tarplant. Both of these species are afforded protection as BLM sensitive species.

Some areas within the ACEC provide a combination of meteorological, geological, hydrological, topographical features that have been identified as important climate refugia (slow/minimized climate changes) for wildlife species.

**Recreation Area:** This unit overlaps with El Paso / Rand and Red Mountain SRMA.

**Grazing Allotment:** This unit overlaps with Cantil Common Allotment.

**Overarching Goals:** Maintain habitat connectivity for wildlife with a movement corridor between the El Paso mountains, the Golden Valley Wilderness and Western Rand Mountains ACEC. Maintain healthy desert ecosystem for desert species such as desert tortoise, Mohave ground squirrel, burrowing owl, kit fox, American badger, and a variety of bird species.  
Prevent habitat fragmentation.

Maintain integrity of Last Chance Canyon National Register Listed District.

Where the CMAs in this Special Management Plan conflict from the CMAs included in Volume II of the Proposed LUPA and Final EIS, the more restrictive CMA would be applied (i.e., management that best supports resource conservation and limits impacts to the values for which the conservation unit was designated), unless otherwise specified.

Appropriate multiple uses will be allowed, consistent with this Special Unit Management Plan and the CMAs in Volume II.

<b>Designation and Acreage by Alternative:</b>				
Alternative	BLM Acres of NLCS within ACEC or Wildlife Allocation	BLM Acres within ACEC	BLM Acres within Wildlife Allocation	ACEC Disturbance Cap
No Action	0	0	0	NA
Preferred Alternative	0	57,922	0	1%
1	0	57,900	0	1%
2	56,000	56,000	0	0.25%
3	0	57,900	0	1%
4	0	57,900	0	0.25%
<b>* Acreage values are for BLM managed lands</b>				
<b>Objectives (desired future condition)/Allowable Uses/Management Actions</b>			<b>Resource</b>	
<p>Objective: Soils exhibit functional biological and physical characteristics that are appropriate to soil type, climate, and land form.</p> <p>Allowable Uses: Restrict construction activities when soils are susceptible to heightened risk of erosion.</p> <p>Management Actions: Ensure soils to meet or exceed the Soil Standard of Rangeland Health, as indicated by ground or plant cover, diversity of plant species, minimal evidence of accelerated wind and water erosion and the presence of biological soil crusts where appropriate.</p> <p>Objective: Protect the hydrologic flow regime in all of the riparian areas</p> <p>Allowable Uses: Existing water rights</p> <p>Management actions: Manage riparian/wetland vegetation, structure, and diversity and stream channels and floodplains so that they are function and achieving physical and biological objectives.</p> <p>Monitor Proper Functioning Condition and restore natural flow stream morphology when needed</p> <p>Monitor water uses</p>			Soil, water, air	
<p>Objective: Protect the following special status plants by ensuring habitat is in a stable or improving condition to keep the species from becoming listed under the ESA.</p> <p>Management Action: Protect and monitor populations of special status plants Red Rock Poppy (<i>Eschscholzia minutiflora</i> ssp. <i>Twisselmannii</i>) Red Rock tarplant (<i>Deinandra arida</i>)</p> <p>Management Action: Prohibit collection of plants except by permit</p> <p>Management Action: Rehabilitate/revegetated disturbed area to maintain intact vegetation communities and prevent fragmentation.</p>			Vegetation (incl. special status species)	

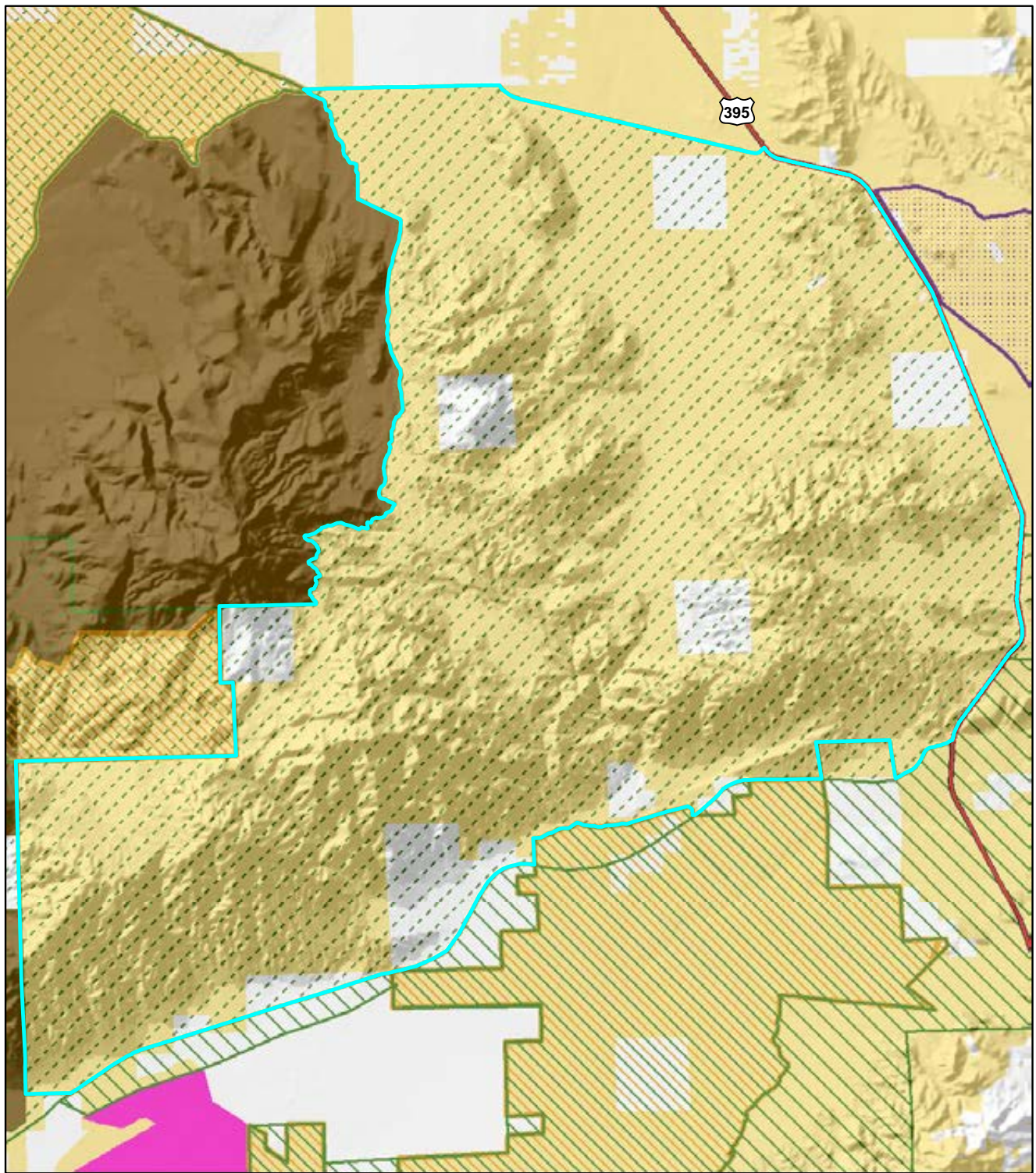


<p>Objective: Prevent habitat fragmentation, which impedes wildlife movement.</p> <p>Management Action: Maintain wildlife connectivity between wilderness areas to maintain/increase genetic diversity</p> <p>Objective: Protect and enhance habitat to maintain stable or increasing population trends of special status species to ensure persistence:</p> <p>Management Action: Designate Species below as priority species for management and protection.</p> <p>Le Conte's Thrasher (<i>Toxostoma lecontei</i>) State Species of Special Concern  Loggerhead Shrike (<i>Lanius ludovicianus</i>) BLM Sensitive  American Badger (<i>Taxidea taxus</i>) State Special Animal  Desert Tortoise (<i>Gopherus agassizii</i>) Federally and State threatened  Mohave ground squirrel (<i>Spermophilus mohavensis</i>) State threatened  Townsend's big-eared bat (<i>Corynorhinus townsendii</i>) BLM sensitive  Pallid bat (<i>Antrozous pallidus</i>) BLM sensitive  Spotted bat (<i>Euderma maculatum</i>) BLM sensitive  Western Mastiff bat (<i>Eumops perotis californicus</i>) BLM sensitive  Golden Eagle (<i>Aquila chrysaetos</i>) BLM sensitive, Bald and Golden Eagle P. Act  Prairie Falcon (<i>Falco mexicanus</i>) USFWS Bird of Conservation Concern  Burrowing Owl (<i>Athene cunicularia</i>) BLM Sensitive  Long-eared owl (<i>Asio otus</i>) State Species of Special Concern</p>	<p>Fish and Wildlife (incl. special status species)</p>
<p><b>Objective 1:</b> Protect biodiversity and manage for resilience (protect climate refugia and provide for migration corridors).</p> <p>Management Action 1: Prioritize habitat enhancement in areas expected to provide for the greatest level of resiliency (good response or rehabilitation results after significant disturbance such as fire) and or resistance to change (e.g. climate refugia).</p> <p>Management Action 2: Consider actions that enhance the primary productivity of climate refugia with native species restoration, reduced soil surface disturbance, and habitat infrastructure to increase carrying capacity of refugia (e.g., wetland, oasis).</p> <p>Management Action 3: Maintain migration corridor integrity by minimizing obstructions (fences, roads), disturbances (limiting access to water and shade during peak temperatures) and habitat fragmentation.</p> <p><b>Objective 2:</b> Maintain and or enhance key ecosystem processes (e.g., carbon sequestration, water residence time) and prepare and respond to significant disturbances to the environment (e.g. floods).</p> <p>Management Action 1: Develop proactive and responsive management actions for potentially dangerous and damaging disturbances to the</p>	<p>Climate Change and Adaptation</p>

<p>environment, which are exacerbated by climate change (e.g. wildfire, flash floods, etc.).</p> <p>Management Action 2: Minimize carbon sequestration losses from management activities by reducing impacts to vegetation, soil structure and soil biota.</p> <p>Management Action 3: Leverage disturbance events and other landscape changes, when possible, as opportunities to assess climate adaptation actions. For example, revegetation objectives for projected climate scenarios benefiting multiple ecosystem services (habitat and carbon sequestration objectives).</p>	
<p>Objective: Limit vehicles to open designated routes and prevent user-created routes from developing.</p> <p>Allowable Uses: Motorized, non-motorized, Non-mechanized,</p> <p>Management Actions: Designated routes will be signed and managed in accordance to the local Travel Management Plan, as funding allows .</p> <p>Management Actions: Use minimization criteria for designating routes in Mohave ground squirrel and Desert tortoise habitat.</p> <p>Management Actions: Increase compliance with routes of travel and the Travel Management Plan.</p>	Trails and Travel Management
<p>Objective: Area will be managed within the Paso / Rand and Red Mountain SRMA. Provide dispersed opportunities for enjoyment of the ACEC attributes</p> <p>Allowable</p> <p>Uses: All forms of casual and permitted recreational uses are allowed including but not limited to dispersed camping, hunting, photography, picnicking, climbing, rock hounding, astronomy/star gazing, nature study and viewing.</p> <p>Management Action: Increase compliance with routes of travel and the Travel Management Plan, maintain signs, vehicle barriers and kiosks, and work with volunteers to clean-up parking and camping areas on a regular basis.</p> <p>Management Action: Work to make sure stopping, parking and camping distance from designated routes are adhered to. As needed and funding allows the following corrective measures may be implemented: signing, delineating camping boundaries, installing vehicle barriers, and restoring areas behind signs, rocks, and barriers to stop vehicle camping use from expanding.</p>	Recreation
<p>Objective: Consolidate through tenure adjustment.</p> <p>Management Action: Acquire inholdings, edgeholdings and other interests from willing sellers</p>	Land Tenure
<p>Objective: Protect resource values of the ACEC</p> <p>Management Action: Land use authorization proposals (new, renewal, and amendment) will be analyzed on a case-by-case basis to assess whether they are compatible with the ACEC and its management goals.</p>	Rights of Way



<p>Not an allowable use. Renewable energy development is not compatible with NLCS and ACEC unit values and criteria.</p> <p>ACECs are closed to geothermal leasing and development unless they overlap with a DFA where geothermal is allowed. Where there is overlap, ACECs are open to geothermal leasing with an NSO stipulation.</p>	Renewable Energy
<p>Objective: Support the national need for reliable and sustainable domestic minerals while protecting the sensitive resources in the area.</p> <p>Allowable Uses: There are many small mining operations in the area, each less than 1 acre in size.</p> <p>Management Action: New proposals will need to be analyzed at on a case-by-case basis and cumulatively, to assess whether they can be accommodated within the ACEC and its management goals.</p> <p>There is a large gravel pit that has been excluded from the ACEC, because it is inconsistent with ACEC designation. It extends over approximately 50 acres. The operators have an application pending to expand their operations beyond their current footprint.</p>	Locatable Minerals Mineral Materials Non-energy Leasables
<p>Objective: Provide for livestock grazing opportunities in a manner that limits impacts on other resources</p> <p>Allowable Uses: Existing allotments are authorized but do not authorize new allotments or expansion of existing allotments (either in size or increase in number of AMUs), if willing relinquishment, would be made unavailable. Adjust livestock use where monitoring data indicate changes are necessary to meet resource objectives. Cantil Common grazing allotment.</p> <p>Management Actions: Manage grazing authorizations to meet or exceed the Standards for Rangeland Health.</p>	Livestock grazing



### Conservation Footprint

- Legislatively & Legally Protected Areas
- National Conservation Lands

### ACEC Boundaries

- 0.5% Disturbance Cap
- 1% Disturbance Cap

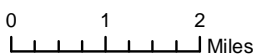
- DRECP Boundary
- CDCA Boundary
- OHV Boundary

### Renewable Footprint

- Development Focus Areas

### Land Status

- Bureau of Land Management

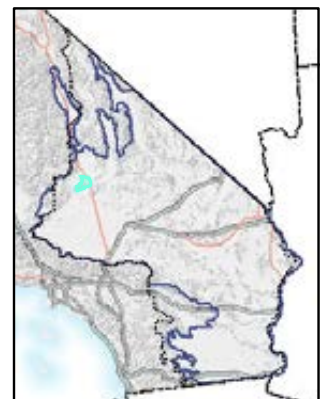


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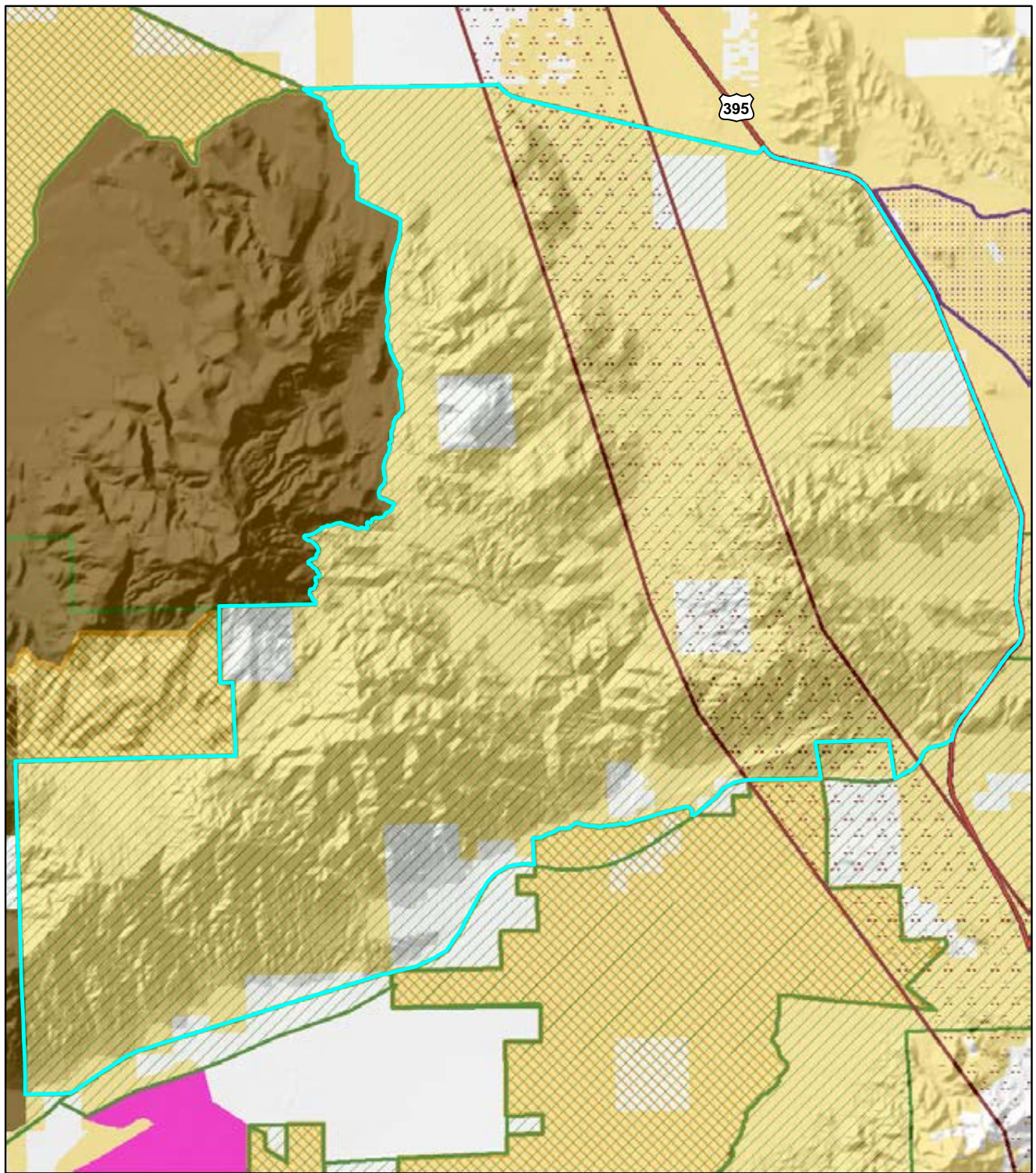


Draft Map Boundaries Subject to Change

1187







### Conservation Footprint

- Legislatively & Legally Protected Areas
- National Conservation Lands
- Proposed ACEC

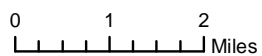
### Renewable Footprint

- Development Focus Areas

- DRECP Boundary
- CDCA Boundary
- Transmission Corridor
- OHV Boundary

### Land Status

- Bureau of Land Management



## El Paso to Golden

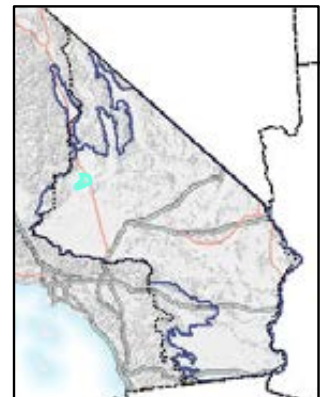


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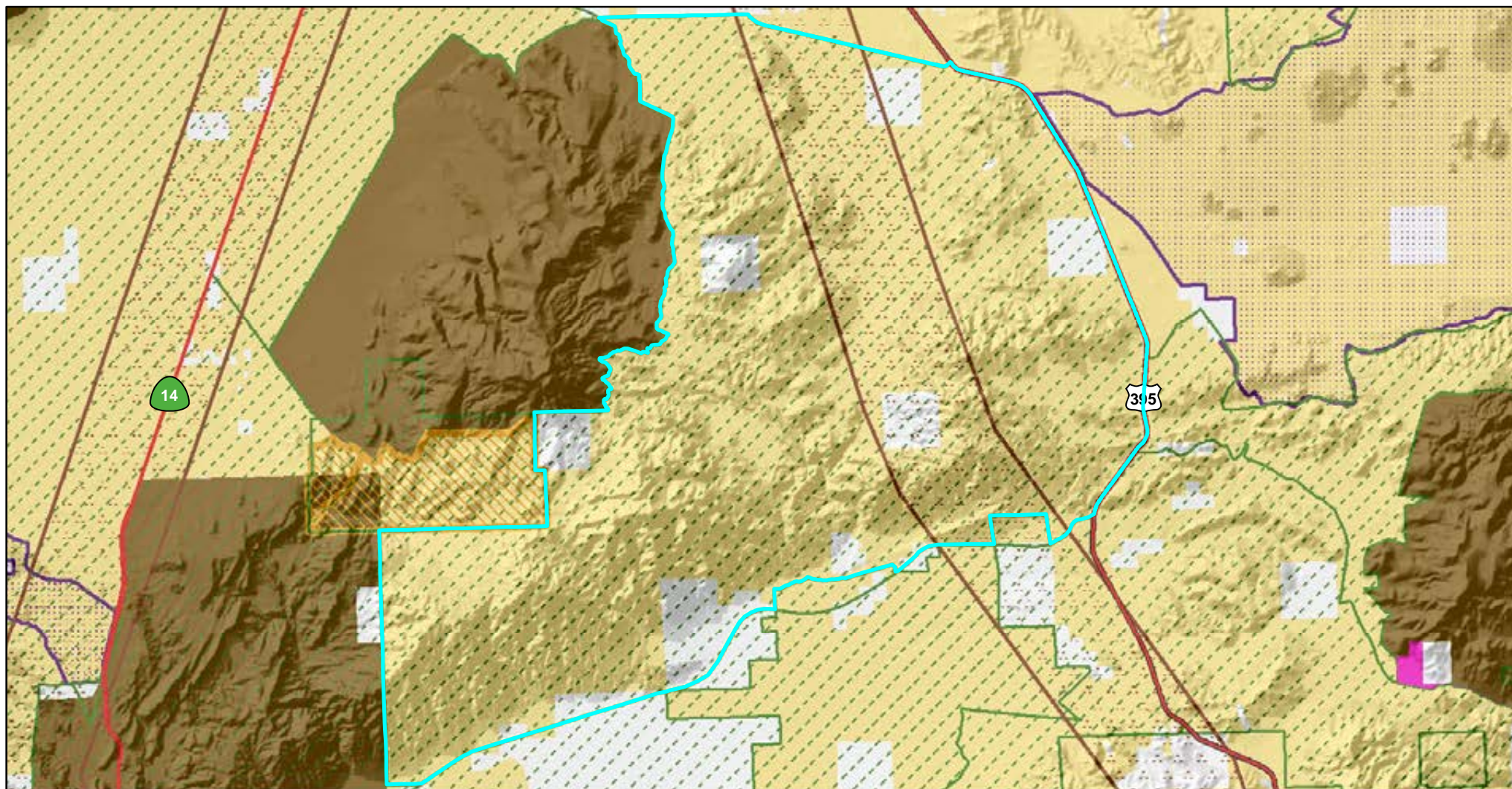


Draft Map Boundaries Subject to Change

1188







### Conservation Footprint

- Legislatively & Legally Protected Areas
- National Conservation Lands

### ACEC Boundaries

- 1% Disturbance Cap

- DRECP Boundary

- CDCA Boundary

- Transmission Corridor

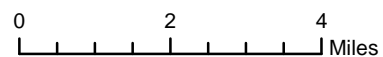
- OHV Boundary

### Renewable Footprint

- Development Focus Areas

### Land Status

- Bureau of Land Management



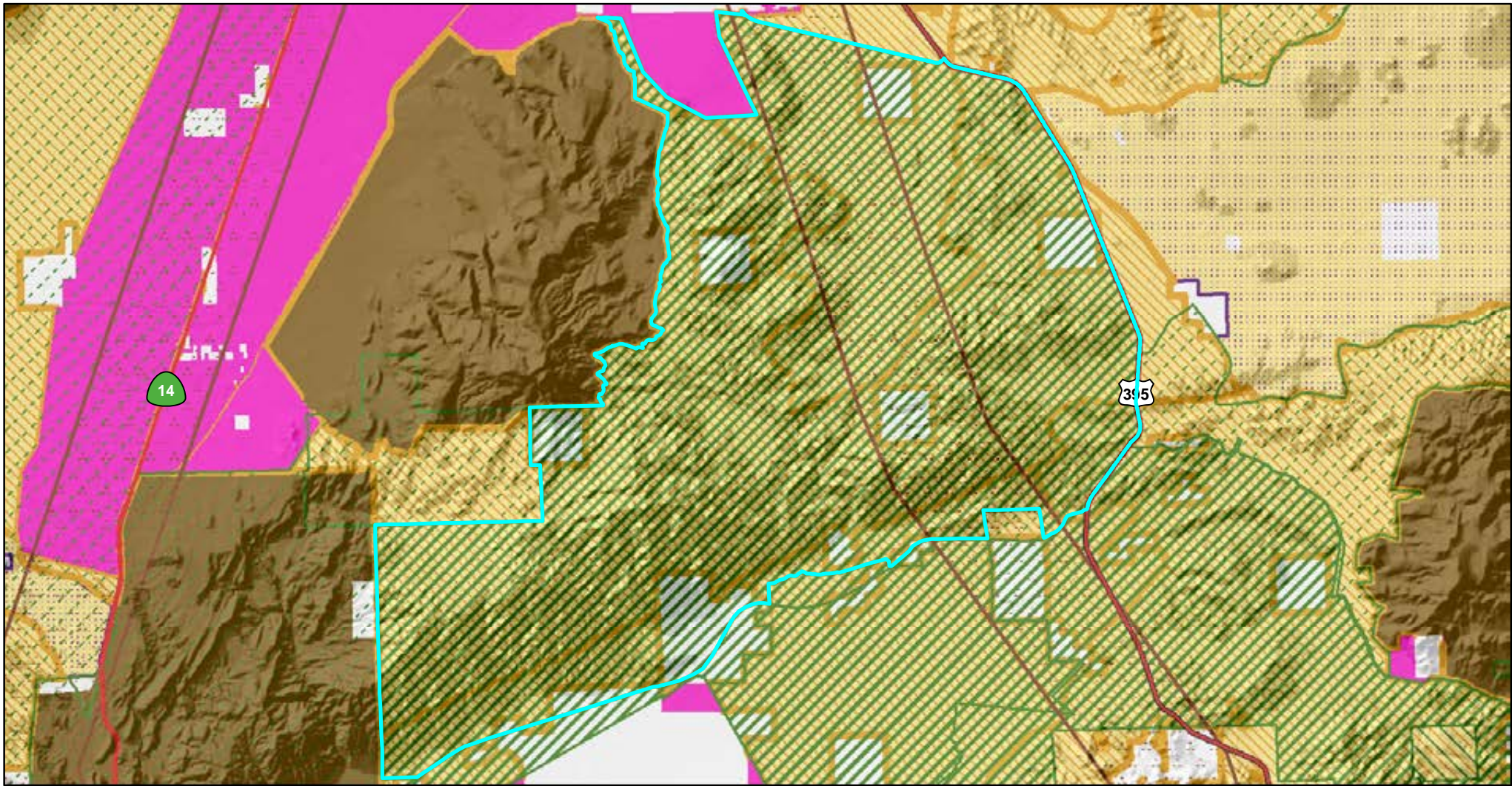
## El Paso to Golden Alternative 1

8/25/2015

Draft Map Boundaries Subject to Change







### Conservation Footprint

Legislatively & Legally Protected Areas

National Conservation Lands

### ACEC Boundaries

0.25% Disturbance Cap

0.5% Disturbance Cap

1% Disturbance Cap

0 1 2  
Miles

DRECP Boundary

CDCA Boundary

Transmission Corridor

OHV Boundary

### Renewable Footprint

Development Focus Areas

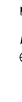
### Land Status

Bureau of Land Management

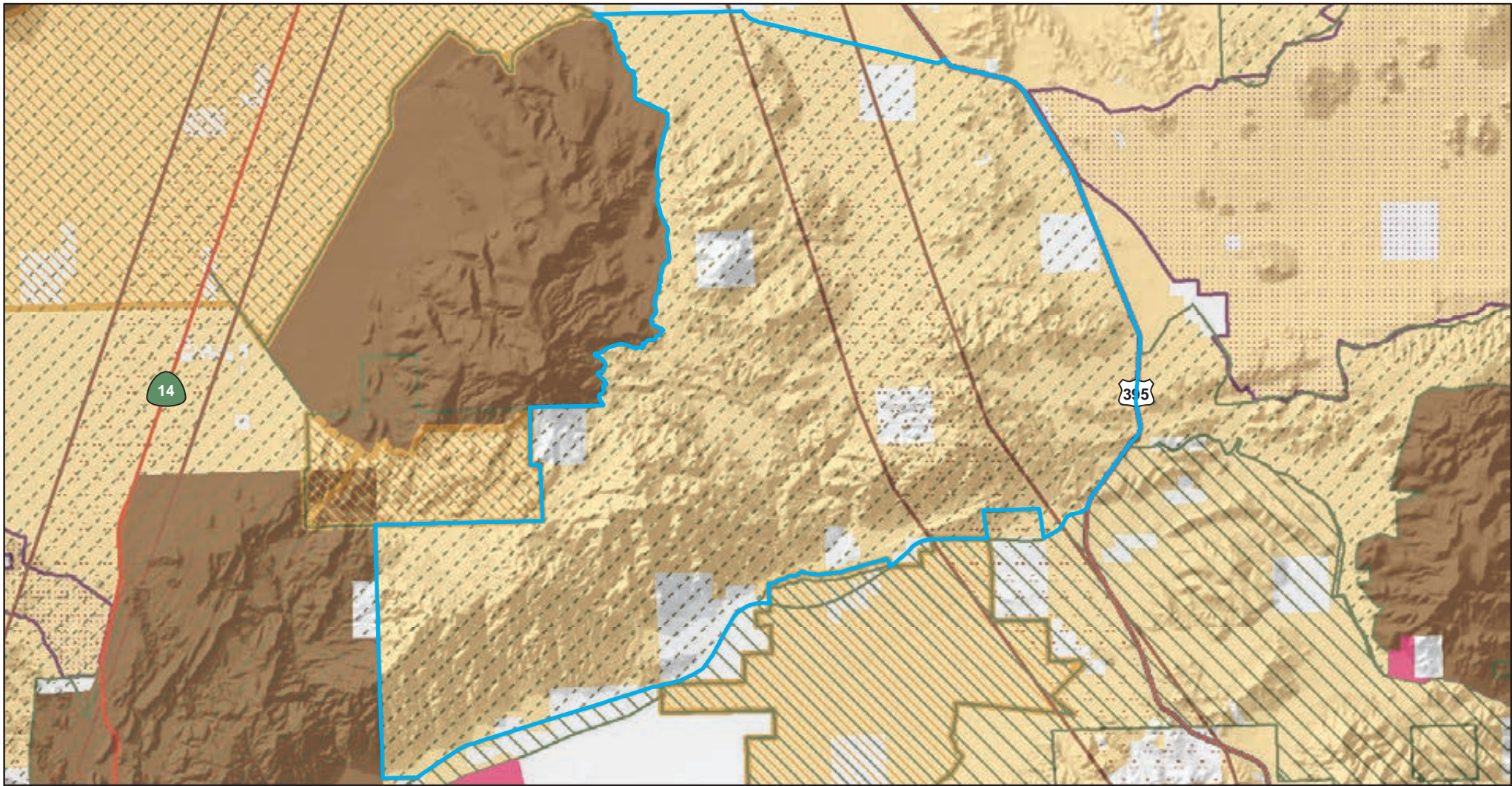
## El Paso to Golden Alternative 2

8/26/2015

Draft Map Boundaries Subject to Change







### Conservation Footprint

Legislatively & Legally Protected Areas

National Conservation Lands

### ACEC Boundaries

0.5% Disturbance Cap

1% Disturbance Cap

DRECP Boundary

CDCA Boundary

Transmission Corridor

OHV Boundary

### Renewable Footprint

Development Focus Areas

### Land Status

Bureau of Land Management

## El Paso to Golden Alternative 3

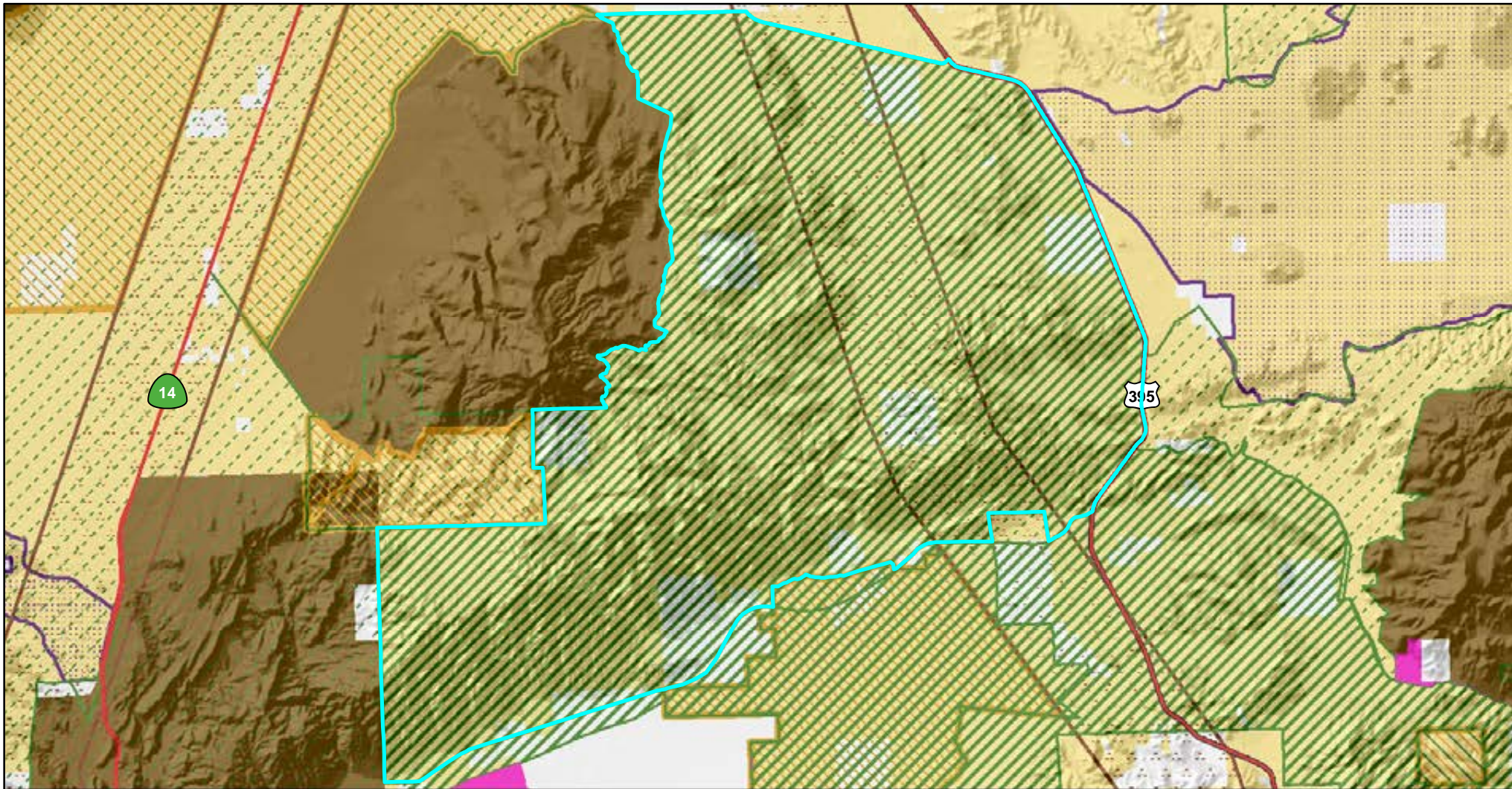
8/26/2015

Draft Map Boundaries Subject to Change



0 2 4  
Miles





### Conservation Footprint

National Conservation Lands

Legislatively & Legally Protected Areas

### ACEC Boundaries

0.25% Disturbance Cap

0.5% Disturbance Cap

1% Disturbance Cap

0 1 2  
Miles

DRECP Boundary

CDCA Boundary

Transmission Corridor

OHV Boundary

### Renewable Footprint

Development Focus Areas

### Land Status

Bureau of Land Management

## El Paso to Golden Alternative 4

8/27/2015

Draft Map Boundaries Subject to Change





## **Fremont-Kramer**

**National Conservation Lands Ecoregions:** West Desert and Eastern Slopes and Mojave and Silurian Valley

**Description/Location:**

This unit encompasses Fremont Valley, the Rand Mountains, Red Mountain, Cuddeback Lake, and extends south beyond Kramer Junction.

**Nationally Significant Values:**

**Ecological:** This area provides high density Desert Tortoise habitat and encompassed designated desert tortoise critical habitat. This area provides critical tortoise habitat linkage.

**Scientific:** Parts of this area have been the subject of long-term population monitoring studies for the desert tortoise.

**Special Designations/Management Plan/Date:** Established in WEMO, March 2006. The West Mojave Plan would serve as the ACEC management plan so that a future ACEC plan would not be required.

**Relevance and Importance Criteria:** This unit contains Desert Tortoise Critical Habitat designated by the FWS. This habitat is considered t essential to the recovery of the federally listed Desert Tortoise. Critical habitat consists of areas "on which are found those physical or biological features (I) essential to the conservation of the species and (II) which may require special management considerations or protection." The area also encompasses essential movement corridors which link wildlife habitats in the Western Rand Mountains and Fremont Valley to the Cuddeback Lake area and to both the Golden Valley and Grass Valley Wildernesses. A variety of songbirds use the area, both during migration and as nesting habitat. Resident songbird species include loggerhead shrikes and Le Conte's thrashers. This area provides critical tortoise habitat linkage.

**Recreation Area:** This unit overlaps with El Paso / Rand SRMA.

**Grazing Allotment:** This unit overlaps with Boron Sheep, Cantil Common, Monolith Cantil, Shadow Mountains, and Stoddard Mountain Allotments.

**Lands with Wilderness Characteristics:** This unit contains 67 acres of lands that would be managed to protect wilderness character under the preferred alternative. The CMAs for lands managed to protect wilderness character would also apply in those areas.

**Overarching Goals:** Tortoise areas are managed for tortoise conservation and recovery until which time the tortoise may be delisted as per criteria given in the Recovery Plan. Manage area in accordance with the Desert Tortoise Recovery Plan. Protect biological values, including habitat quality, populations of sensitive species, and landscape connectivity while providing for compatible public uses. Maintain habitat connectivity for wildlife with movement corridors in all directions and prevent habitat fragmentation.

Where the CMAs in this Special Management Plan conflict from the CMAs included in Volume II of the Proposed LUPA and Final EIS, the more restrictive CMA would be applied (i.e., management that best supports resource conservation and limits impacts to the values for which the conservation unit was designated), unless otherwise specified.



If this area is included in the National Conservation Lands, the BLM will manage this area to protect the Nationally Significant Values above. Appropriate multiple uses will be allowed, consistent with this Special Unit Management Plan and the CMAs in Volume II. If an activity is not specifically covered by the CMAs, it will be allowed if it is consistent with the Nationally Significant Values, but prohibited if the uses conflict with those values.

**Designation and Acreage by Alternative:**

Alternative	BLM Acres of NLCS within ACEC or Wildlife Allocation	BLM Acres within ACEC	BLM Acres within Wildlife Allocation	ACEC Disturbance Cap
No Action	0	311,500	0	NA
Preferred Alternative	52,694	310,161	0	Varies from 0.25% -1%
1	0	311,500	0	1%
2	238,500	238,500	0	0.25%
3	51,716	309,367	0	0.5%
4	28,600	267,800	0	0.25%

**\* Acreage values are for BLM managed lands**

Objectives (desired future condition)/Allowable Uses/Management Actions	Resource
<p>Objective: Soils exhibit functional biological and physical characteristics that are appropriate to soil type, climate, and land form.</p> <p>Allowable Uses: Restrict construction activities when soils are susceptible to heightened risk of erosion.</p> <p>Management Actions: Ensure soils to meet or exceed the Soil Standard of Rangeland Health, as indicated by ground or plant cover, diversity of plant species, minimal evidence of accelerated wind and water erosion and the presence of biological soil crusts where appropriate.</p>	Soil, water, air
<p>Objective: Protect the following special status plants by ensuring habitat is in a stable or improving condition to keep the species from becoming listed under the ESA.</p> <p>Management Action: Protect and monitor populations of special status plant Barstow Woolly Sunflower (<i>Eriophyllum mohavense</i>) Desert Cymopterus (<i>Cymopterus deserticola</i>) <i>Mentzelia tridentate</i></p> <p>Management Action: Rehabilitate/revegetated disturbed area</p> <p>Management Action: Maintain intact vegetation communities and prevent fragmentation.</p>	Vegetation (incl. special status species)
Objective: Maintain or improve condition of Desert Tortoise habitat	Fish and Wildlife (incl. special status species)

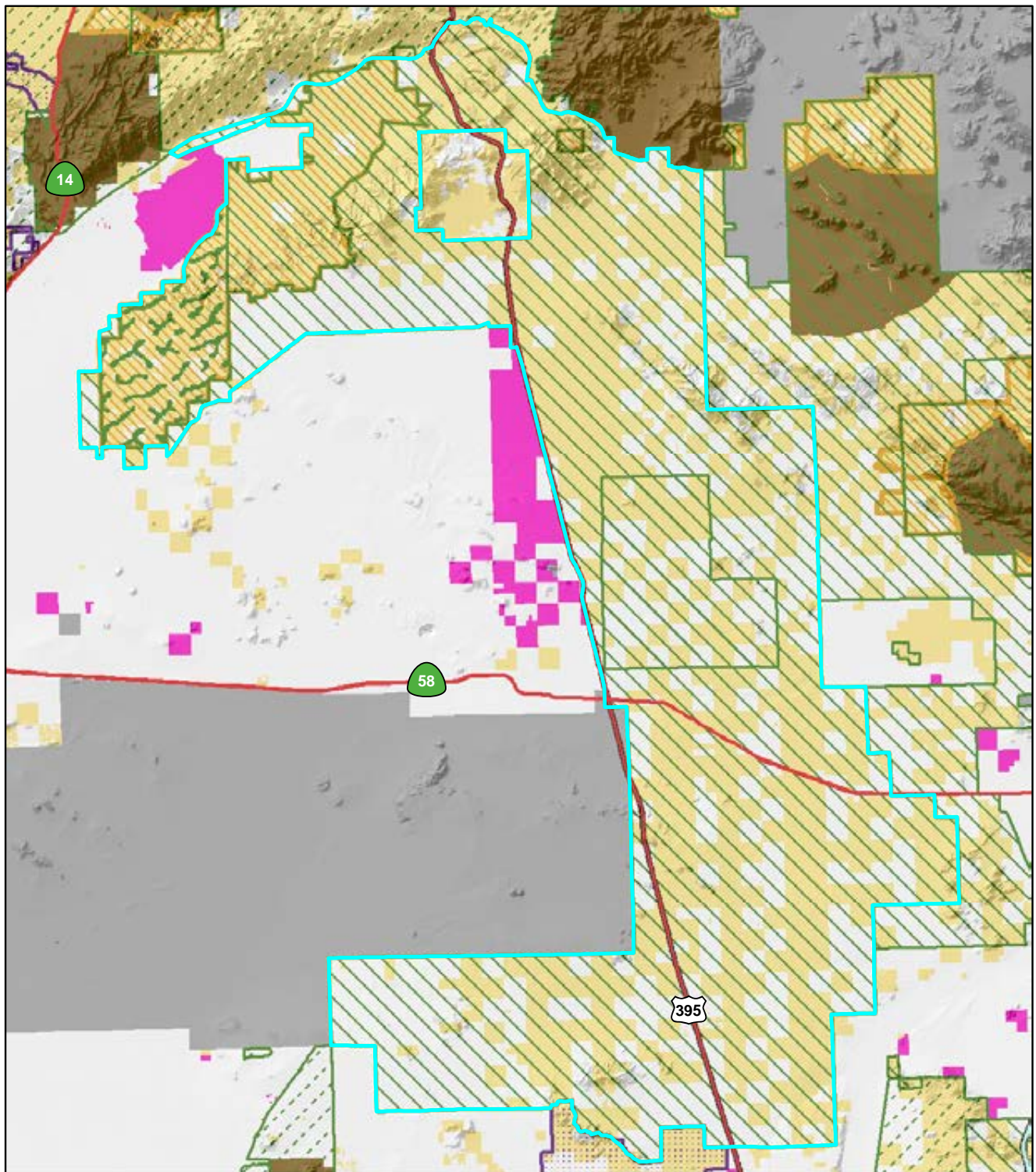
<p>Management Action: Maintain viable populations and connections between other conservation areas by preventing unnecessary large-scale barriers</p> <p>Management Action: Fence along highways as needed.</p> <p>Objective: Protect and enhance habitat to maintain stable or increasing population trends of special status species to ensure persistence:</p> <p>Management Action: Protect other sensitive species:</p> <p>Desert Tortoise (<i>Gopherus agassizii</i>) Federally and State threatened</p> <p>Le Conte's Thrasher (<i>Toxostoma lecontei</i>) State Species of Special Concern</p> <p>Loggerhead Shrike (<i>Lanius ludovicianus</i>) State Species of Special Concern</p> <p>American Badger (<i>Taxidea taxus</i>) State Special Animal</p> <p>Mohave ground squirrel (<i>Spermophilus mohavensis</i>) State threatened</p> <p>Townsend's big-eared bat (<i>Corynorhinus townsendii</i>) BLM sensitive</p> <p>Pallid bat (<i>Antrozous pallidus</i>) BLM sensitive</p> <p>Spotted bat (<i>Euderma maculatum</i>) BLM sensitive</p> <p>Western Mastiff bat (<i>Eumops perotis californicus</i>) BLM sensitive</p> <p>Golden Eagle (<i>Aquila chrysaetos</i>) BLM sensitive, Bald and Golden Eagle P. Act</p> <p>Prairie Falcon (<i>Falco mexicanus</i>) USFWS Bird of Conservation Concern</p> <p>Burrowing Owl (<i>Athene cunicularia</i>) BLM Sensitive</p> <p>Long-eared owl (<i>Asio otus</i>) State Species of Special Concern</p>	
<p>Objective: Protect sensitive habitat from impacts associated with vehicle traffic</p> <p>Allowable Uses: Motorized, Non-motorized, non-mechanized, etc. including casual as well as permitted use.</p> <p>Management Action: Modify the WEMO Route Network to reflect open routes through the ACEC and close other existing unauthorized routes</p> <p>Management Action: Sign designated routes routinely in accordance with the local Travel Management Plan</p> <p>Management Action: Use minimization criteria for designating routes in Mohave ground squirrel and Desert tortoise habitat.</p> <p>Management Action: Increase compliance with routes of travel and the Travel Management Plan.</p>	<p>Trails and Travel Management</p>
<p>Objective: Area would be managed within the El Paso / Rand Special Recreation Management Area. Provide dispersed opportunities for enjoyment of the ACEC attributes</p> <p>Allowable Uses: Parking of motor vehicles is allowed within 50 feet of the centerline of designated routes and not beyond this distance.</p> <p>All forms of casual and permitted recreational uses are allowed including but not limited to dispersed camping, hunting, photography, picnicking, climbing, rock hounding, astronomy/star gazing, nature study and viewing.</p> <p>Within this unit, shooting is allowed only during hunting season while pursuing</p>	<p>Recreation</p>



<p>game or when shooting at paper targets that are transported to the shooting site and taken home after target practice.</p> <p>Management Action: Increase compliance with routes of travel and the Travel Management Plan, maintain signs, vehicle barriers and kiosks, and work with volunteers to clean-up parking and camping areas on a regular basis.</p> <p>Management Action: Maintain the current status quo with respect to the number and size of recreational vehicle campsites within the ACEC. This will require an inventory of existing camp sites for number and size and regular follow-up monitoring.</p> <p>Management Action: Work to make sure stopping, parking and camping distance from designated routes are adhered to. As needed and funding allows the following corrective measures may be implemented: signing, delineating camping boundaries, installing vehicle barriers, and restoring areas behind signs, rocks, and barriers to stop vehicle camping use from exceeding limits.</p>	
<p>Objective: Consolidate through tenure adjustment.</p> <p>Management Action: Acquire inholdings, edgeholdings and other interests from willing sellers.</p>	Land Tenure
<p>Objective: Maintain wildlife linkage and protect desert tortoise critical habitat</p> <p>Management Action 1: Land use authorization proposals (new, renewal, and amendment) will be analyzed on a case-by-case basis to assess whether they are compatible with the ACEC and its management goals.</p> <p>Management Action 2: To the degree possible, new utility right-of-ways shall be sited as close together as practical given engineering specifications, human safety, and other limiting factors.</p>	Rights of Way
<p>Objective: Maintain integrity of large blocks of habitat</p> <p>Allowable Uses: Not an allowable use. Renewable energy development is not compatible with NLCS and ACEC unit values and criteria</p> <p>ACECs are closed to geothermal leasing and development unless they overlap with a DFA where geothermal is allowed. Where there is overlap, ACECs are open to geothermal leasing with an NSO stipulation.</p>	Renewable Energy
<p>Objective: Protect from mining activities</p> <p>Allowable Uses: There are several small placer mining operations in the area.</p> <p>Management Action: Include stipulations to protect the desert tortoise and desert cymopterus including not disturbing occupied habitat</p> <p>Management Action: New proposals will need to be analyzed at on a case-by-case basis and cumulatively, to assess whether they are compatible with the ACEC and its management goals.</p>	Locatable Minerals Mineral Materials Non-energy Leaseables
<p>Objective: Provide for livestock grazing opportunities in a manner that limits impacts on desert tortoise habitat and other resources</p>	Livestock grazing

<p>Allowable Uses: A small part of the unit is within the Cantil Common Allotment which is an ephemeral sheep grazing allotment. Special rules exist for determining threshold forage production before sheep can be turned out and when they will be removed.</p> <p>Management Action: Continue to monitor and regulate the sheep grazing in this area</p> <p>Existing allotments are authorized but do not authorize new allotments or expansion of existing allotments (either in size or increase in number of AMUs), if willing relinquishment, would be made unavailable.</p> <p>A part of this ACEC intersects with the Boron Sheep, Cantil Common, Monolith Cantil, Shadow Mountains, and Stoddard Mountain grazing allotment. Grazing will continue to be authorized in the overlap area and is governed by federal regulations including the achievement of standards and guidelines.</p>	
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### Conservation Footprint

- Legislatively & Legally Protected Areas
- National Conservation Lands
- ACEC Boundaries**
  - 0.1% Disturbance Cap
  - 0.5% Disturbance Cap
  - 1% Disturbance Cap

- DRECP Boundary
- CDCA Boundary
- OHV Boundary
- Renewable Footprint**
  - Development Focus Areas

### Land Status

- Bureau of Land Management
- Department of Defense

## Fremont-Kramer



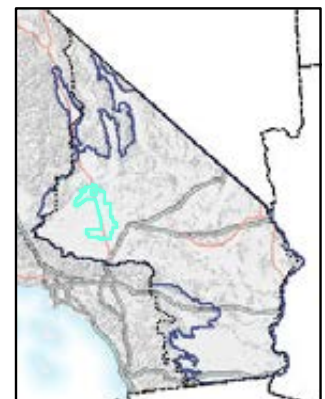
6/25/2015



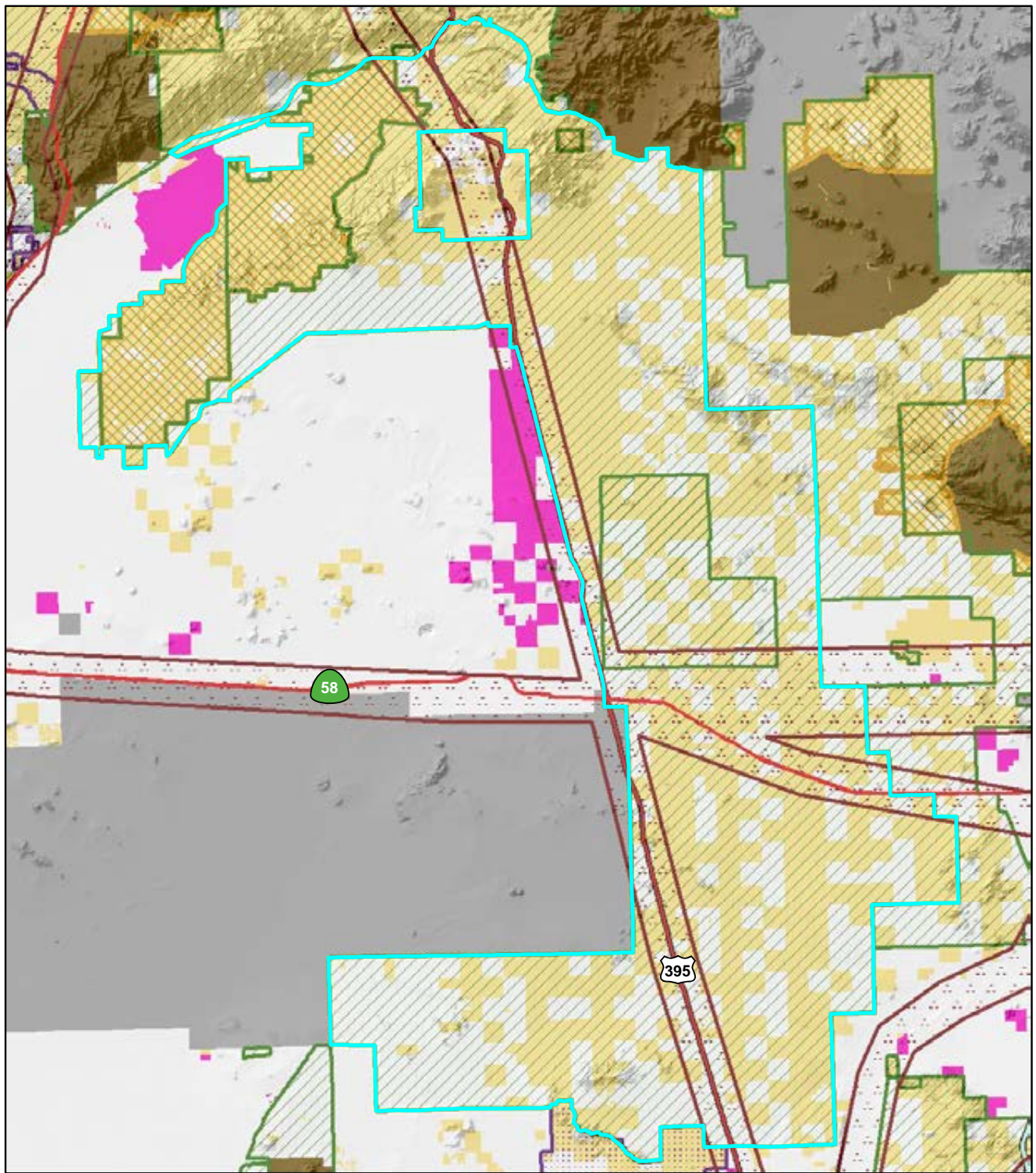
0 4 8 Miles

Draft Map Boundaries Subject to Change

1198







### Conservation Footprint

- Legislatively & Legally Protected Areas
- National Conservation Lands
- Proposed ACEC

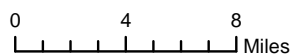
### Renewable Footprint

- Development Focus Areas

- DRECP Boundary
- CDCA Boundary
- Transmission Corridor
- OHV Boundary

### Land Status

- Bureau of Land Management
- Department of Defense



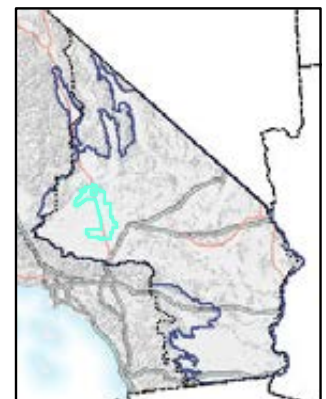
## Fremont-Kramer



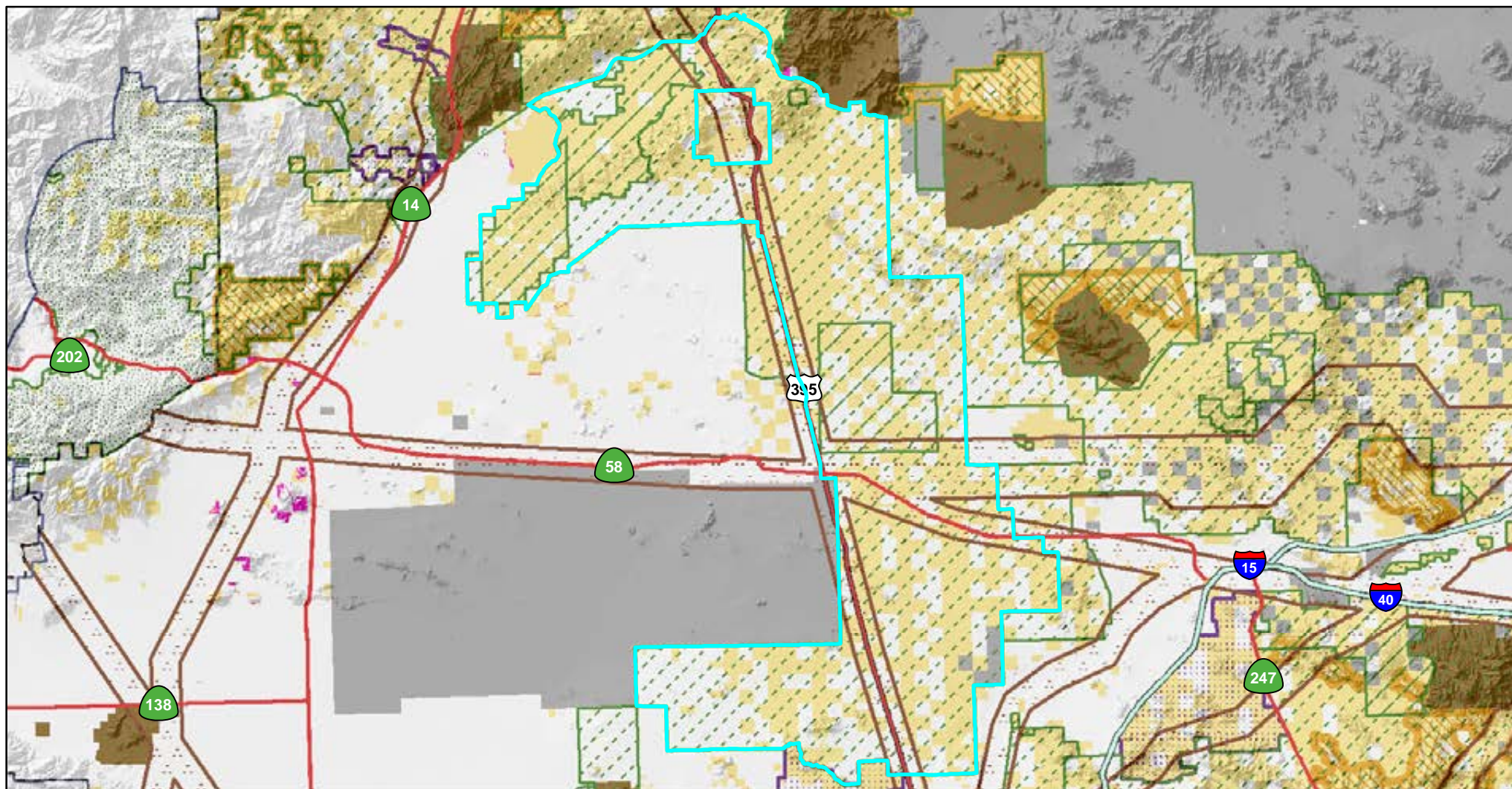
7/14/2015



Draft Map Boundaries Subject to Change







### Conservation Footprint

- Legislatively & Legally Protected Areas
- National Conservation Lands

### ACEC Boundaries

- 1% Disturbance Cap
- Wildlife Allocation

0 4 8  
Miles

- DRECP Boundary
- CDCA Boundary
- Transmission Corridor
- OHV Boundary

### Renewable Footprint

- Development Focus Areas
- Variance Lands

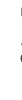
### Land Status

- Bureau of Land Management
- Department of Defense

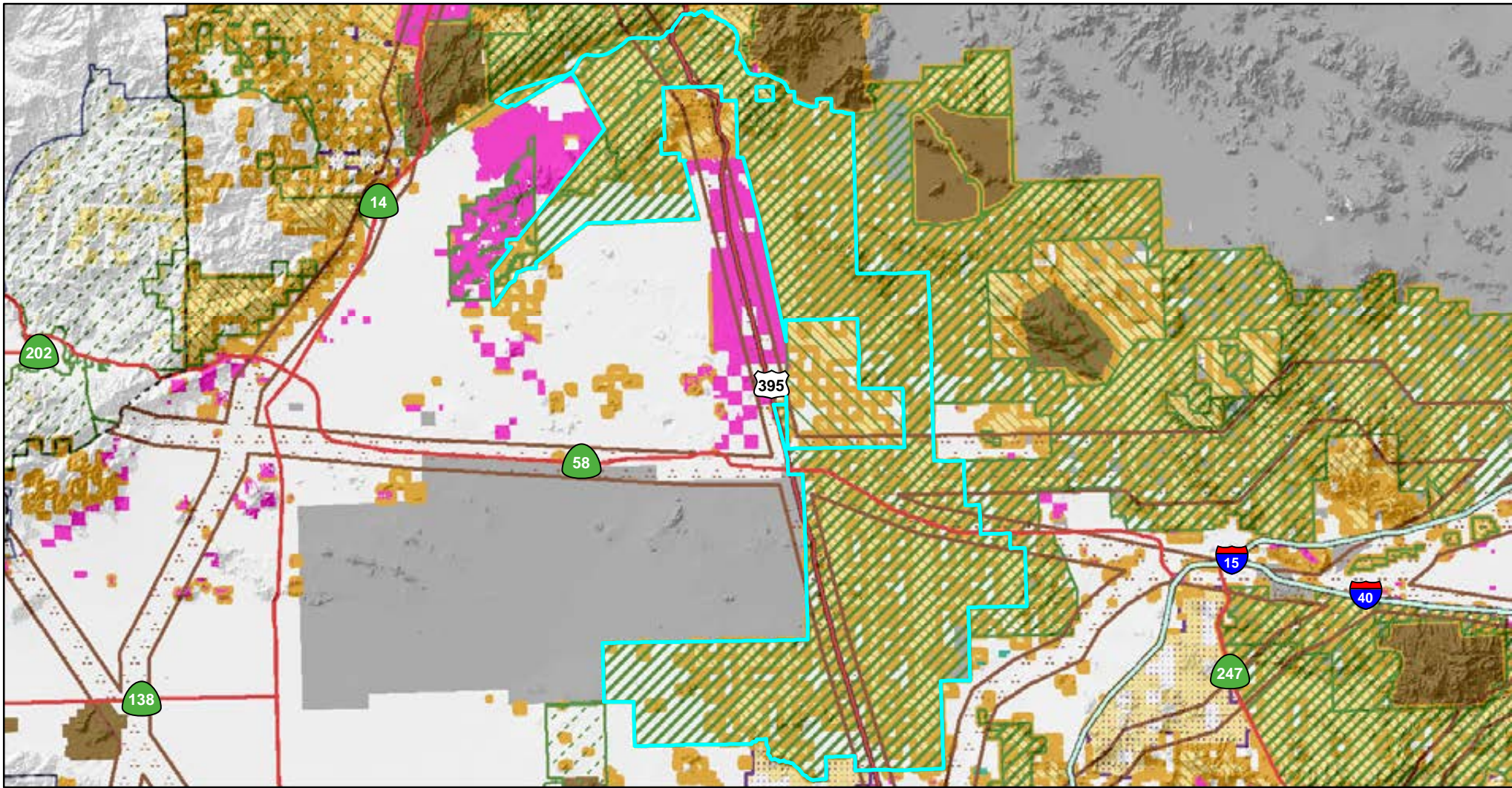
## Fremont-Kramer Alternative 1

8/25/2015

Draft Map Boundaries Subject to Change







## Conservation Footprint

- |   |                            |
|---|----------------------------|
| Legislatively & Legally Protected Areas | DRECP Boundary             |
| National Conservation Lands             | CDCA Boundary              |
| <b>ACEC Boundaries</b>                  |                            |
| 0.1% Disturbance Cap                    | Transmission Corridor      |
| 0.25% Disturbance Cap                   | OHV Boundary               |
| 0.5% Disturbance Cap                    | <b>Renewable Footprint</b> |
| 1% Disturbance Cap                      | Development Focus Areas    |
|   | Future Assessment Areas    |

## Land Status

- |                           |
|---------------------------|
| Bureau of Land Management |
| Department of Defense     |

0 4 8  
Miles

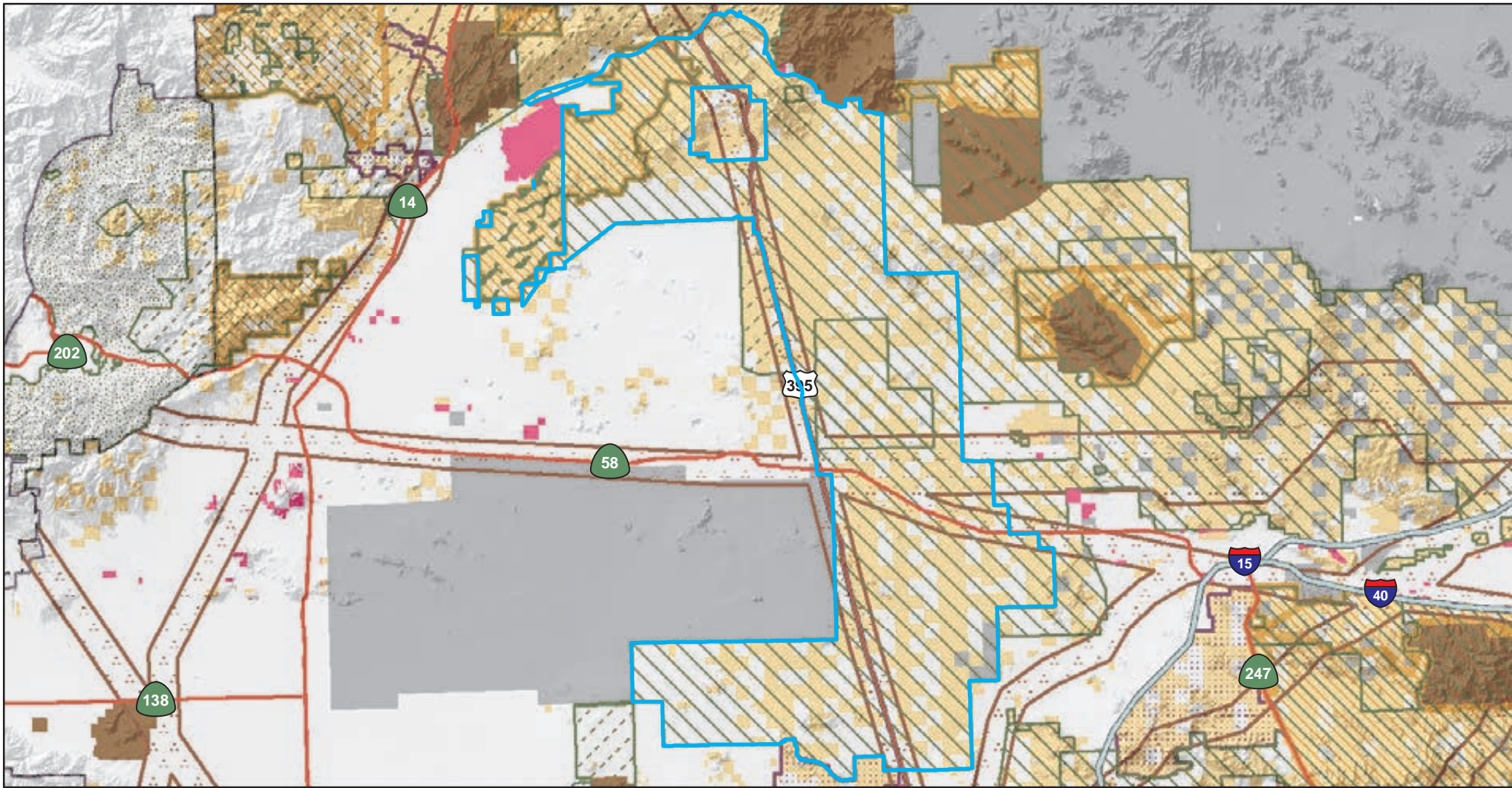
## Fremont-Kramer Alternative 2

8/26/2015

Draft Map Boundaries Subject to Change







### Conservation Footprint

- |   |                            |
|---|----------------------------|
| Legislatively & Legally Protected Areas | DRECP Boundary             |
| National Conservation Lands             | CDCA Boundary              |
| <b>ACEC Boundaries</b>                  | Transmission Corridor      |
| 0.1% Disturbance Cap                    | OHV Boundary               |
| 0.5% Disturbance Cap                    | <b>Renewable Footprint</b> |
| 1% Disturbance Cap                      | Development Focus Areas    |
| Wildlife Allocation                     | 0 4 8                      |
|   | Miles                      |

### Land Status

- |                           |
|---------------------------|
| Bureau of Land Management |
| Department of Defense     |

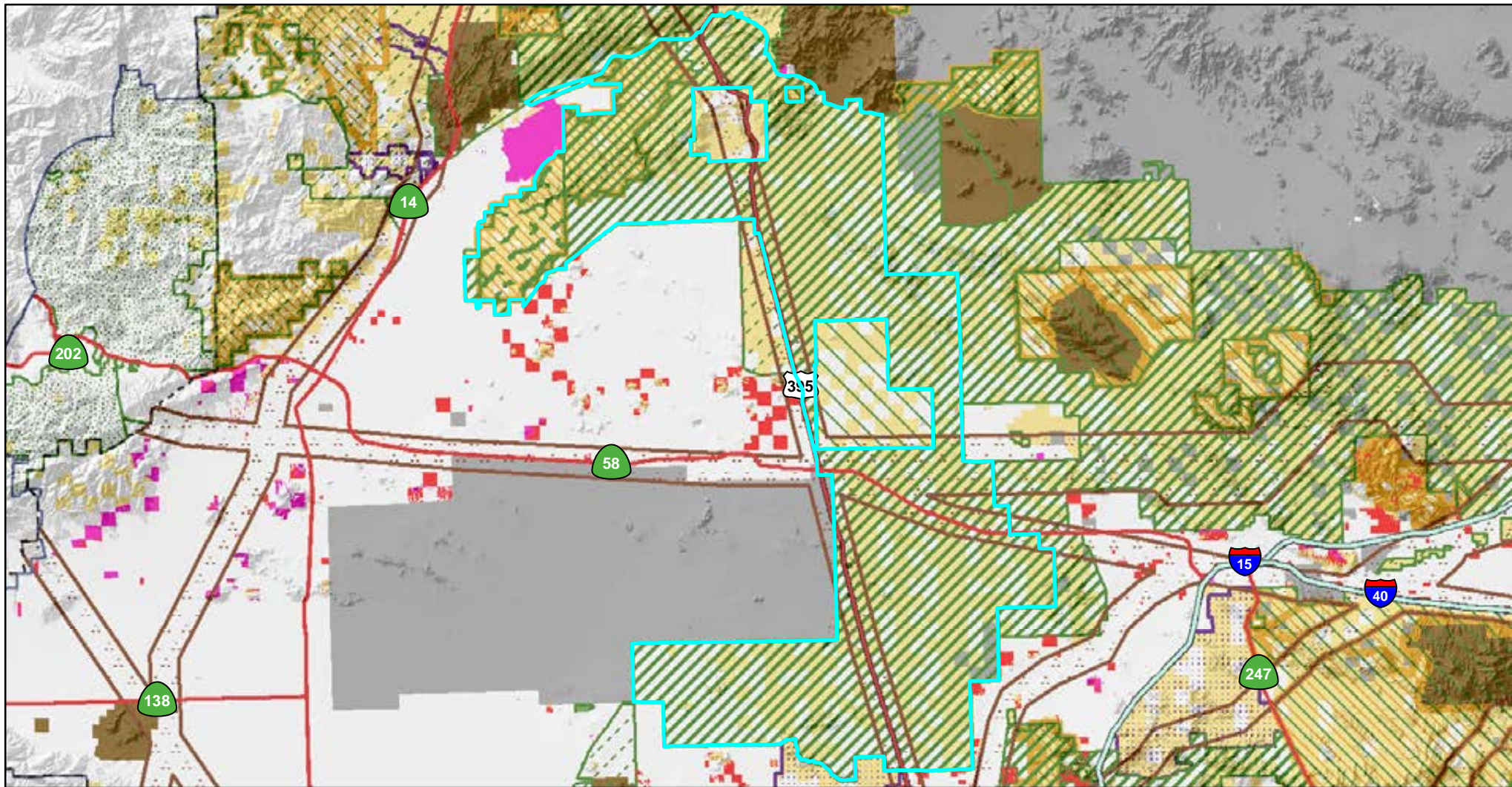
## Fremont-Kramer Alternative 3

8/26/2015

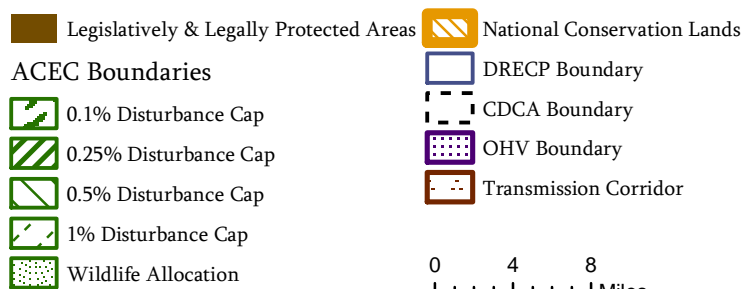
Draft Map Boundaries Subject to Change





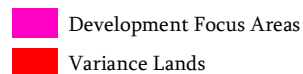


## Conservation Footprint

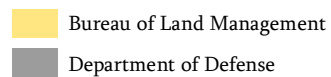


0 4 8  
Miles

## Renewable Footprint



## Land Status



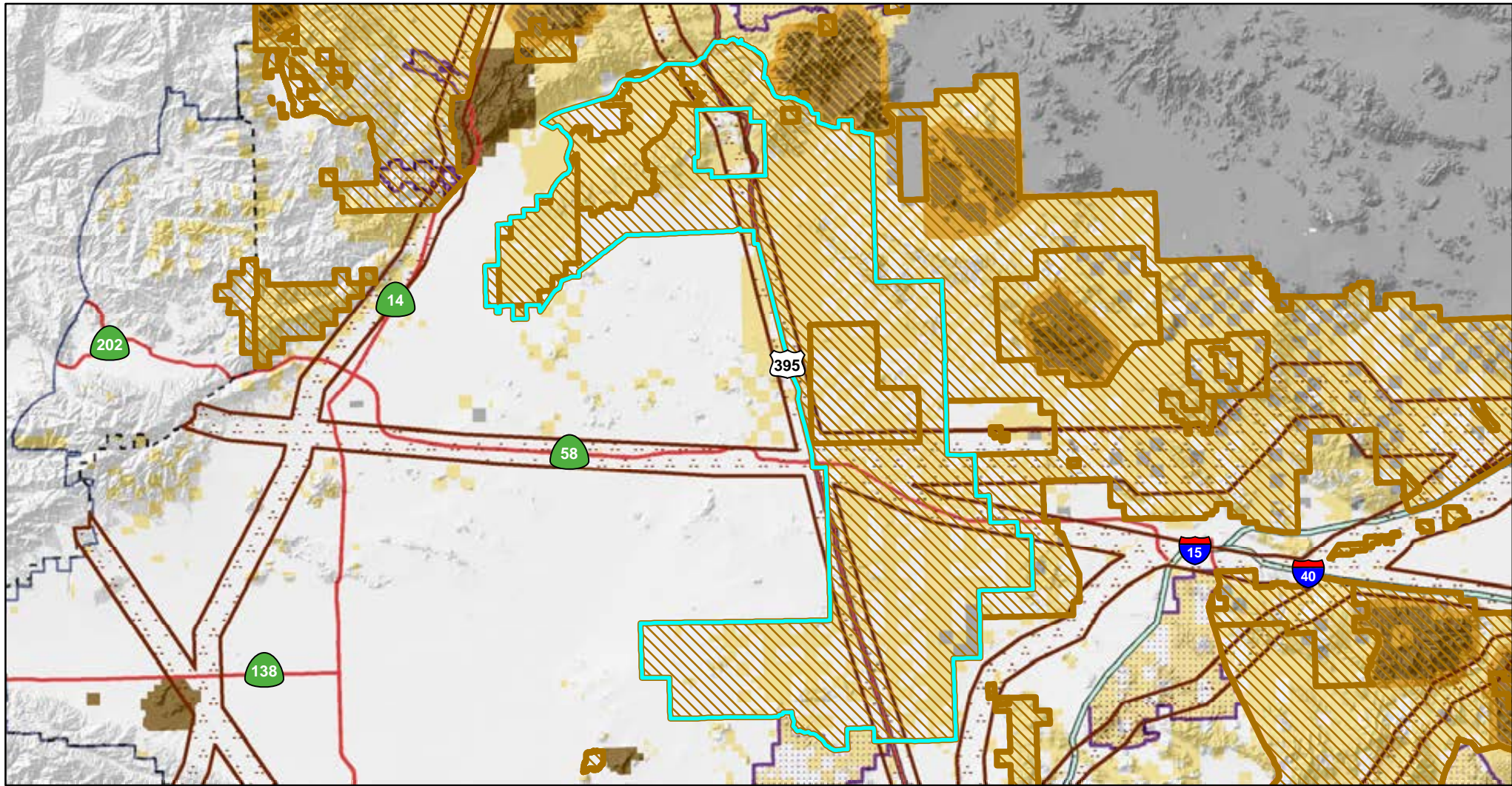
## Fremont-Kramer Alternative 4

8/27/2015

Draft Map Boundaries Subject to Change







### Conservation Footprint

- |                       |   |
|-----------------------|---|
| Existing ACEC         | National Conservation Lands             |
| Transmission Corridor | OHV Boundary                            |
| CDCA Boundary         | Legislatively & Legally Protected Areas |
| DRECP Boundary        |   |

### Land Status

- |                           |                       |
|---------------------------|-----------------------|
| Bureau of Land Management | Department of Defense |
|---------------------------|-----------------------|

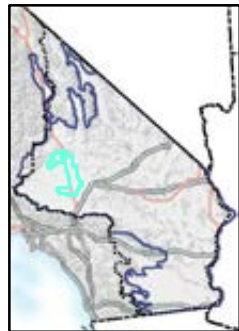
## Fremont-Kramer DWMA

**No Action**

9/15/2015

Draft Map Boundaries Subject to Change

0 10 20  
Miles



## Harper Dry Lake

**National Conservation Lands Ecoregion:** West Desert and Eastern Slopes

**Description/Location:** Harper Dry Lake is a 485-acre year-round marsh and wetland utilized by a variety of resident and migratory bird species, as well as a watchable wildlife area for viewing these species. It is located within and along the southwestern border of Harper Lake playa in San Bernardino County, approximately twenty miles northwest of Barstow off of Harper Lake Road.

**Nationally Significant Values:** Not proposed for NLCS designation.

**Special Designations/Management Plan/Date:** This ACEC was designated in the CDCA Plan of 1980, and the management plan was approved in June of 1982, and later in 2006, when additional management provisions were incorporated in the plan.

**Relevance and Importance Criteria:** Before early settlement and adjacent agricultural activities, this playa possessed a shallow water table feeding a productive meadowland habitat. At that time, surface water flowed in the Mojave River throughout the year in much of the West Mojave and spring flows were frequent. With the advent of ranching and later agriculture, much of the Harper Lake meadowland was degraded, and with additional populations and dams, Mojave River flow has been substantially reduced and flows down river of the Victor Valley area are infrequent. With the advent of larger agricultural operations in the area, runoff replenished the Harper Lake playa environs, and along with occasional natural replenishments provide pockets along a 2-mile long stretch of Harper Dry Lake playa that have become a unique lacustrine marsh oasis in the West Mojave. The importance of this area is as the most extensive area of concentrated nesting and migratory bird habitat in this portion of the West Mojave desert.

**Biological:** Harper Dry Lake is recognized as a Key Raptor Area by the BLM, which designated 223 areas nationwide. Key Raptor Areas are places known to be significant habitats for selected species of birds of prey, and Harper Dry Lake is 1 of 7 Key Raptor Areas in the California desert. The species known to utilize the habitat at Harper Dry Lake are northern harrier, short-eared owl, ferruginous hawk, and long-eared owl.

**Recreation Area:** This unit overlaps with the Superior/Rainbow SRMA.

**Overarching Goals:** To maintain in a healthy condition, sensitive and unique marsh habitat present along the western playa shoreline of Harper Dry Lake, and implement provisions of the West Mojave Plan regarding conservation of plant and animal species. Other uses which are compatible with achieving these objectives will be allowed in the ACEC.

Where the CMAs in this Special Management Plan conflict from the CMAs included in Volume II of the Proposed LUPA and Final EIS, the more restrictive CMA would be applied (i.e. management that best supports resource conservation and limits impacts to the values for which the conservation unit was designated), unless otherwise specified.

Appropriate multiple uses will be allowed, consistent with this Special Unit Management Plan and the CMAs in Volume II.



**Designation and Acreage by Alternative:**

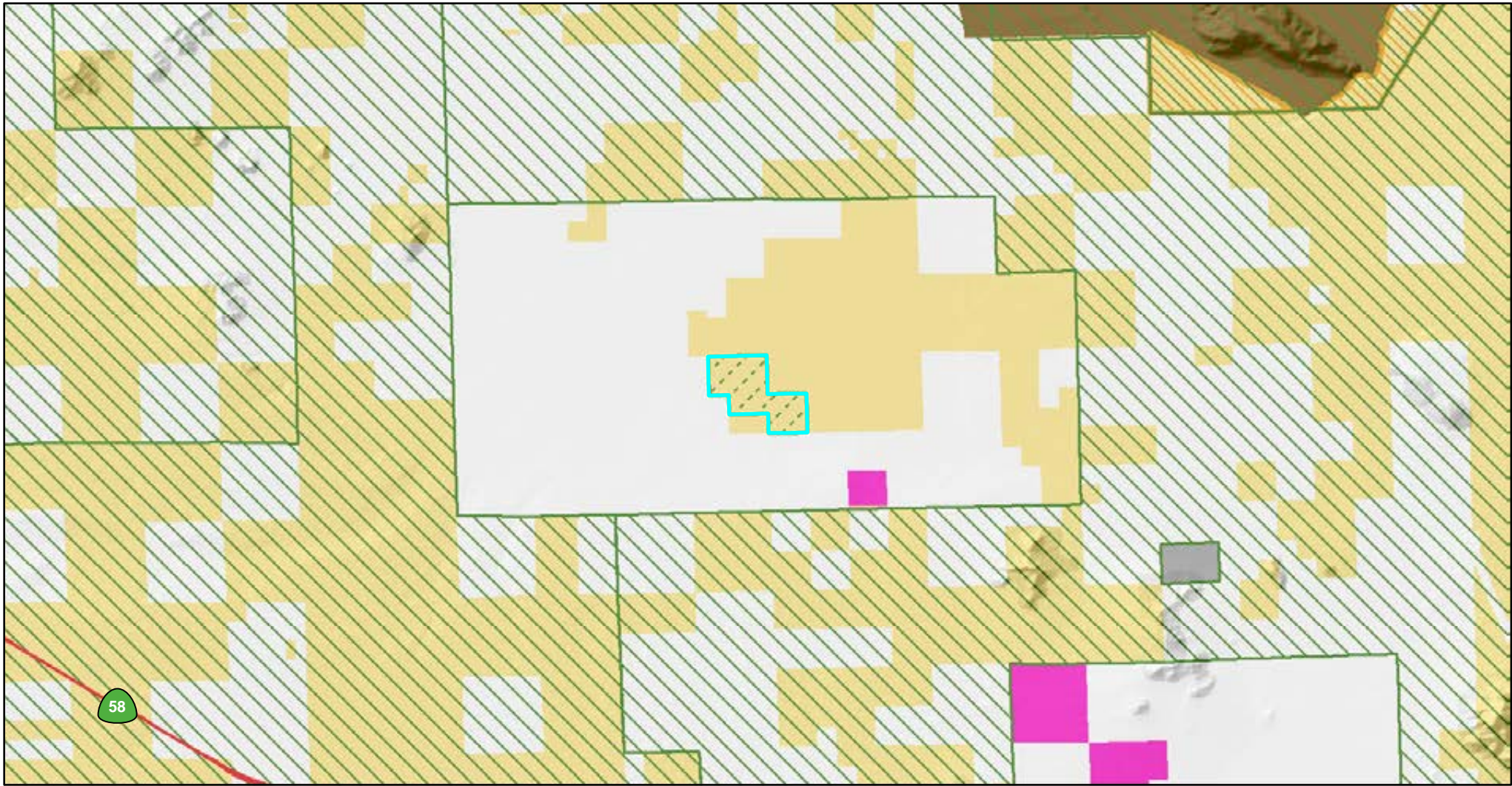
Alternative	BLM Acres of NLCS within ACEC or Wildlife Allocation	BLM Acres within ACEC	BLM Acres within Wildlife Allocation	ACEC Disturbance Cap
No Action	0	485	0	NA
Preferred Alternative	0	485	0	1%
1	0	485	0	1%
2	485	485	0	1%
3	0	485	0	1%
4	0	485	0	1%

\* Acreage values are for BLM managed lands


Objectives (desired future conditions)/Allowable Uses/Management Actions	Resource
<p>Objective: Provide water to support sensitive plants and wildlife  Management Action 1: Provide a reliable permanent source of water to replenish the wetland habitat steady water supply even in the event that agricultural operations are curtailed; 2) this water should not contain as high a salt content or chemical concentration as agricultural overflow; 3) a means of monitoring extent of water allocation from agricultural operations may be difficult to provide; and 4) the relative amounts of water which supply this portion of the marsh from individual operators is not known.  Management Action 2: Water quality will be monitored on an annual basis. This includes water salinity levels, total dissolved solids, trace elements, residues, and dissolved oxygen content.</p> <p>Objective: Obtain additional information on reptile, mammal, bird and plant species composition  Management Action: Conduct surveys to verify the presence of species which are likely to occur here, and to use as baseline data for assessing long-range trends.</p>	Soil, water, air
<p>Objective: Improve quality of marsh vegetation and habitat for sensitive species  Management Action 1: Remove highly competitive, exotic invasive species within the ACEC. All tamarisk within the marsh and drainage channels within the ACEC will be located and removed  Management Action 2: Establish cottonwood trees and/or willows at select points and increase habitat heterogeneity through experimental plantings</p>	Vegetation – Including special status species
<p>Objective: Protect Western Snowy Plover nesting habitat  Management Action: Post signs and restrict human access near nest sites</p>	Fish and Wildlife – Including special status species

<p>Objective: Maintain records associated with Key Raptor Area designation</p> <p>Management Action: A raptor census will be conducted of the Harper Dry Lake Key Raptor Area every 5 years, subject to available funds. Information will be stored in the BLM nationwide database of Key Raptor Areas.</p>	
<p>Objective: General management and protection of paleontological resources</p> <p>Management Action 1: Develop plans for the inventory, monitoring, and scientific and educational use of paleontological resources as needed</p>	Paleontology
<p>Objective: Prevent loss of critical marsh habitat from intensive recreation use</p> <p>Allowable Uses: Lands within 100 yds. of marsh vegetation are closed to motorized vehicles, landsailers, vehicle traffic in all other areas is restricted to open routes of travel</p>	Trails and Travel Management
<p>Objective : Prevent loss of critical marsh habitat from intensive recreation uses</p> <p>Allowable Uses: Lands within 100 yds. Of marsh are closed to camping</p> <p>Management Action: Increase compliance with routes of travel and/or the travel management plan</p>	Recreation
<p>Objective: Consolidate through tenure adjustment.</p> <p>Management Action 1: Acquire inholdings, edgeholdings and other interests from willing sellers.</p>	Land Tenure
<p>Objective: Protect resource values of the ACEC</p> <p>Management Action: Land use authorization proposals (new, renewal, and amendment) will be analyzed on a case-by-case basis to assess whether they are compatible with the ACEC and its management goals.</p>	Rights-of-Way
<p>No development</p> <p>Objective: Maintain integrity of large blocks of habitat</p> <p>Allowable Uses: Not an allowable use. Renewable energy development is not compatible with NLCS and ACEC unit values and criteria</p> <p>Geothermal: ACECs are closed to geothermal leasing and development unless they overlap with a DFA where geothermal is allowed. Where there is overlap, ACECs are open to geothermal leasing with an NSO stipulation.</p>	Renewable Energy
<p>Objective: Protect sensitive marsh habitat from livestock grazing impacts</p> <p>Allowable Uses: No grazing allowed</p>	Livestock grazing






### Conservation Footprint

 Legislatively & Legally Protected Areas

 National Conservation Lands

### ACEC Boundaries

 0.5% Disturbance Cap

 1% Disturbance Cap


 DRECP Boundary


 CDCA Boundary

### Renewable Footprint

 Development Focus Areas

### Land Status

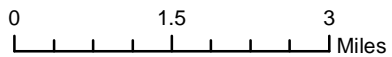
 Bureau of Land Management

 Department of Defense

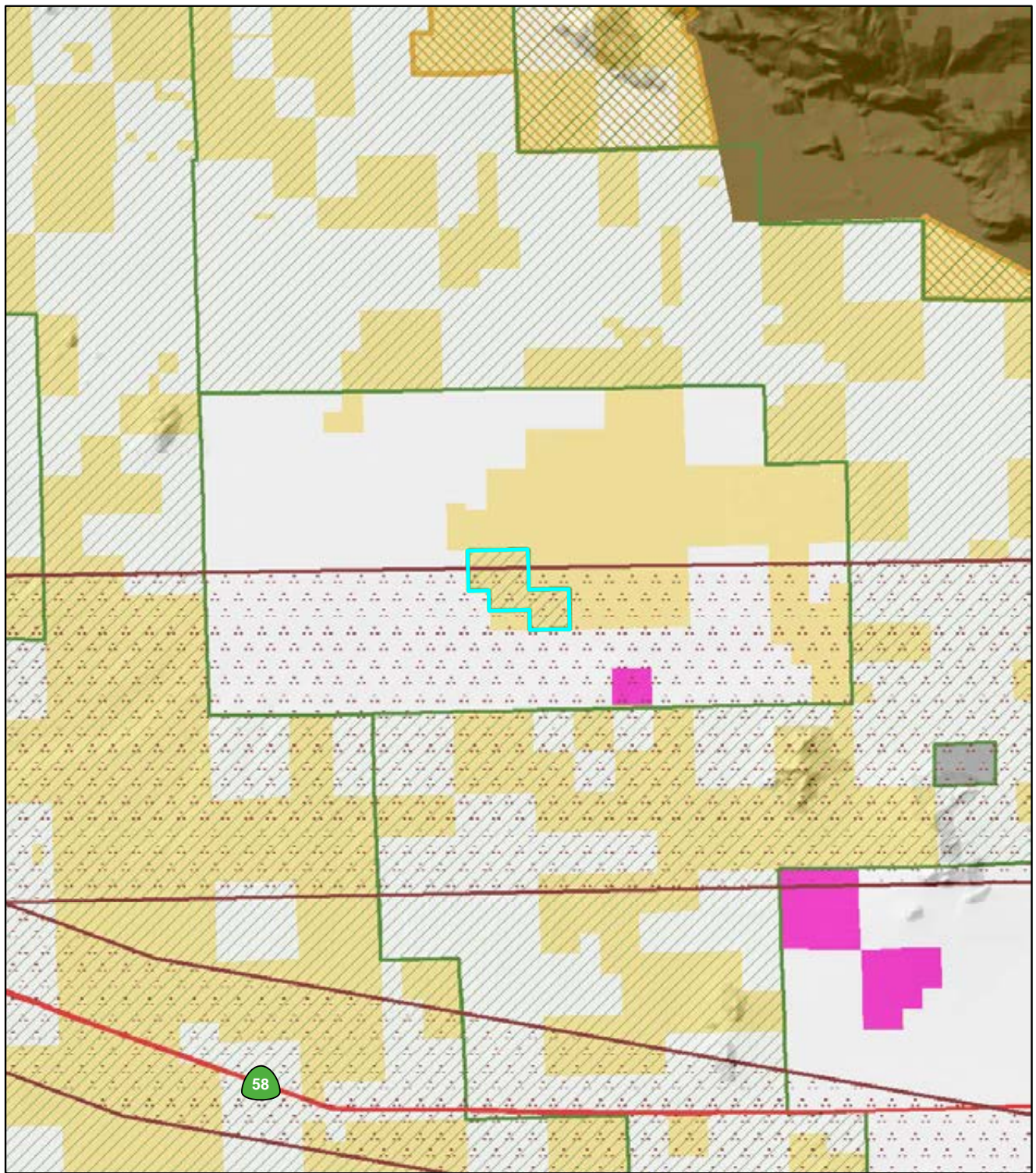
## Harper Dry Lake

6/24/2015




Draft Map Boundaries Subject to Change











### Conservation Footprint



-  Legislatively & Legally Protected Areas
-  National Conservation Lands
-  Proposed ACEC

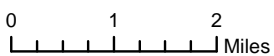
### Renewable Footprint

-  Development Focus Areas

-  DRECP Boundary
-  CDCA Boundary
-  Transmission Corridor

### Land Status

-  Bureau of Land Management
-  Department of Defense

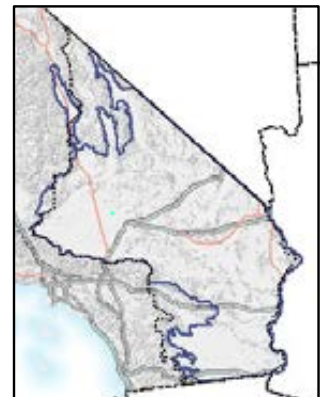


## Harper Dry Lake

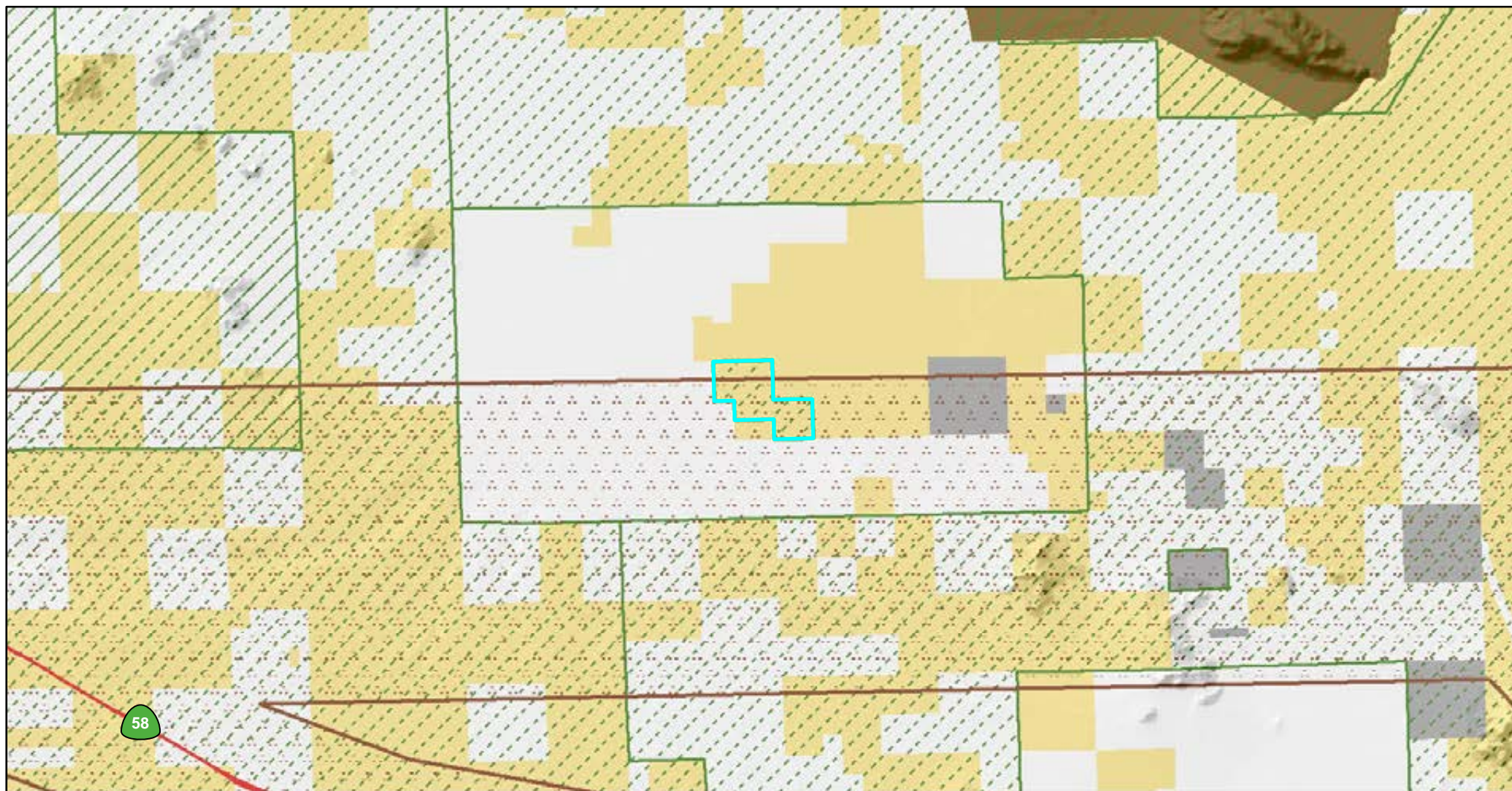
7/14/2015



Draft Map Boundaries Subject to Change







### Conservation Footprint

Legislatively & Legally Protected Areas

ACEC Boundaries

1% Disturbance Cap

DRECP Boundary

CDCA Boundary

Transmission Corridor

### Land Status

Bureau of Land Management

Department of Defense

## Harper Dry Lake Alternative 1

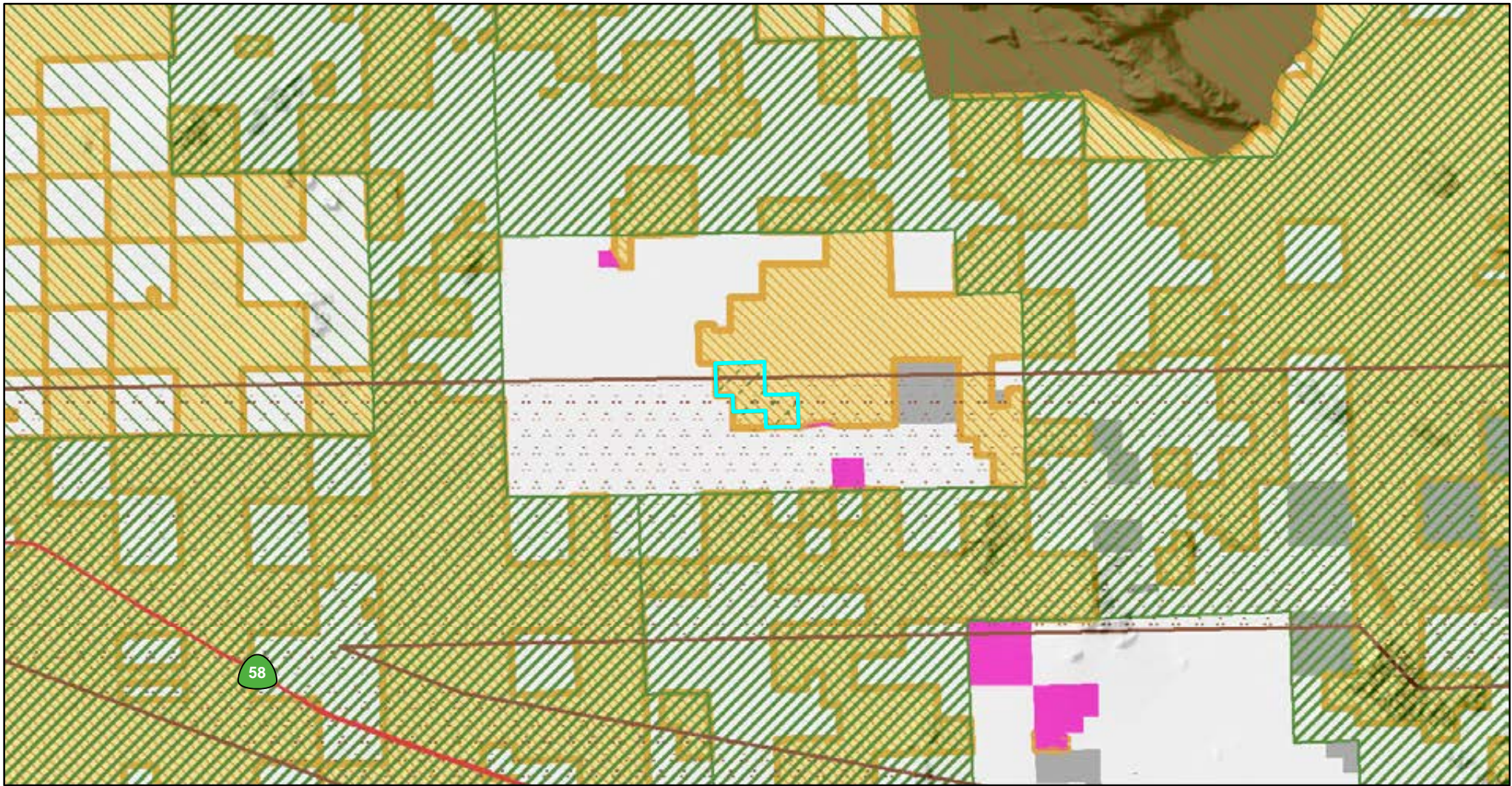
8/25/2015

Draft Map Boundaries Subject to Change

0 2 4 Miles










## Conservation Footprint


 Legislatively & Legally Protected Areas

 National Conservation Lands

## ACEC Boundaries

 0.25% Disturbance Cap

 0.5% Disturbance Cap

 1% Disturbance Cap


0 1 2  
Miles

 DRECP Boundary


 CDCA Boundary


 Transmission Corridor

## Renewable Footprint

 Development Focus Areas

## Land Status

 Bureau of Land Management

 Department of Defense

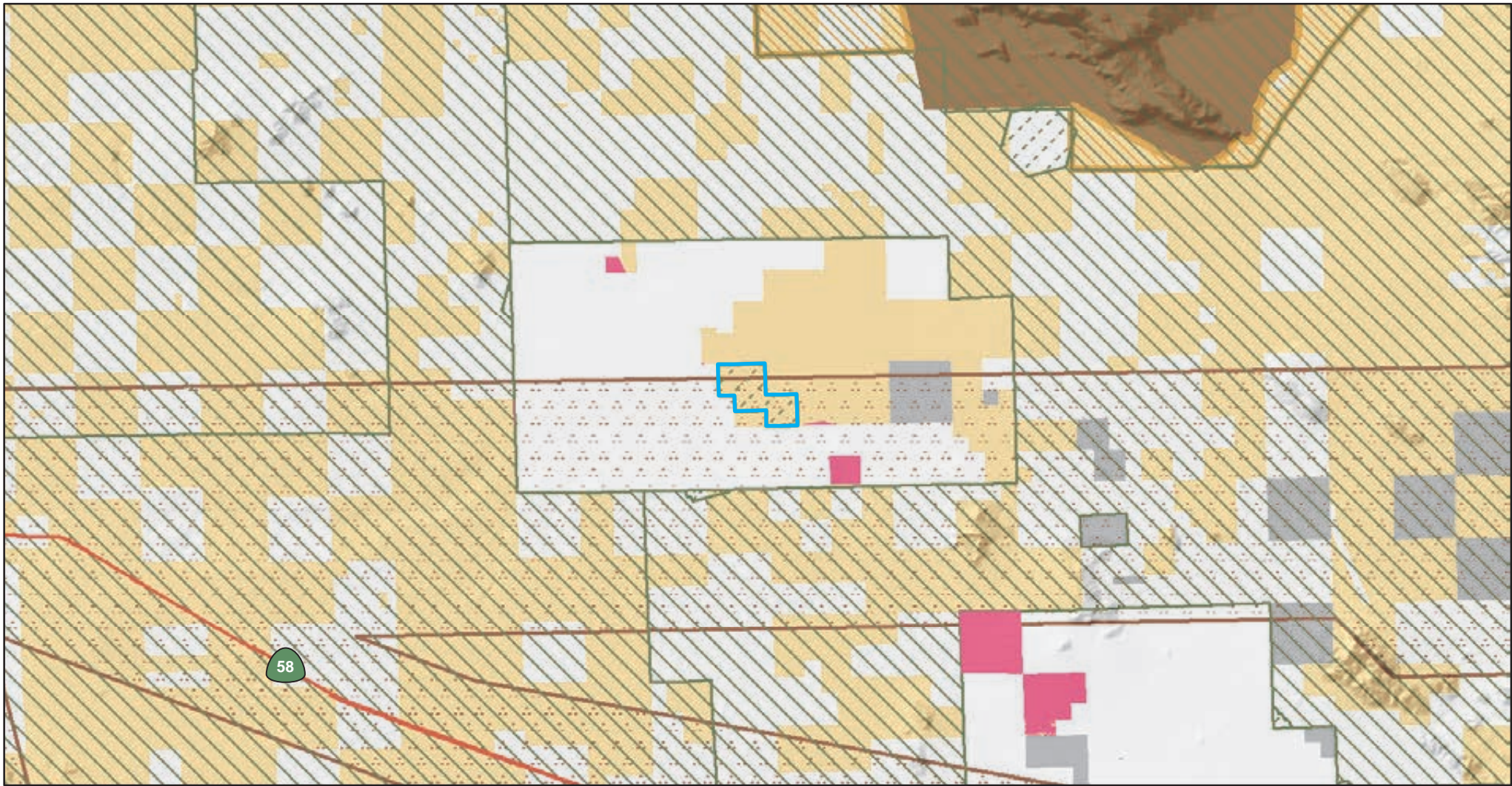
## Harper Dry Lake Alternative 2

8/26/2015

Draft Map Boundaries Subject to Change







### Conservation Footprint

 Legislatively & Legally Protected Areas

 National Conservation Lands


### ACEC Boundaries

 0.5% Disturbance Cap

 1% Disturbance Cap

 DRECP Boundary

 CDCA Boundary

 Transmission Corridor

### Renewable Footprint

 Development Focus Areas

### Land Status

 Bureau of Land Management

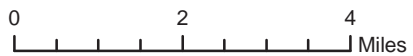
 Department of Defense

## Harper Dry Lake

Alternative 3

8/26/2015



Draft Map Boundaries Subject to Change













## Conservation Footprint

-  National Conservation Lands
-  Legislatively & Legally Protected Areas



## ACEC Boundaries

-  0.25% Disturbance Cap
-  0.5% Disturbance Cap
-  1% Disturbance Cap



0 0.5 1  
Miles

-  DRECP Boundary
-  CDCA Boundary
-  Transmission Corridor

## Renewable Footprint

-  Development Focus Areas
-  Variance Lands

## Land Status

-  Bureau of Land Management
-  Department of Defense

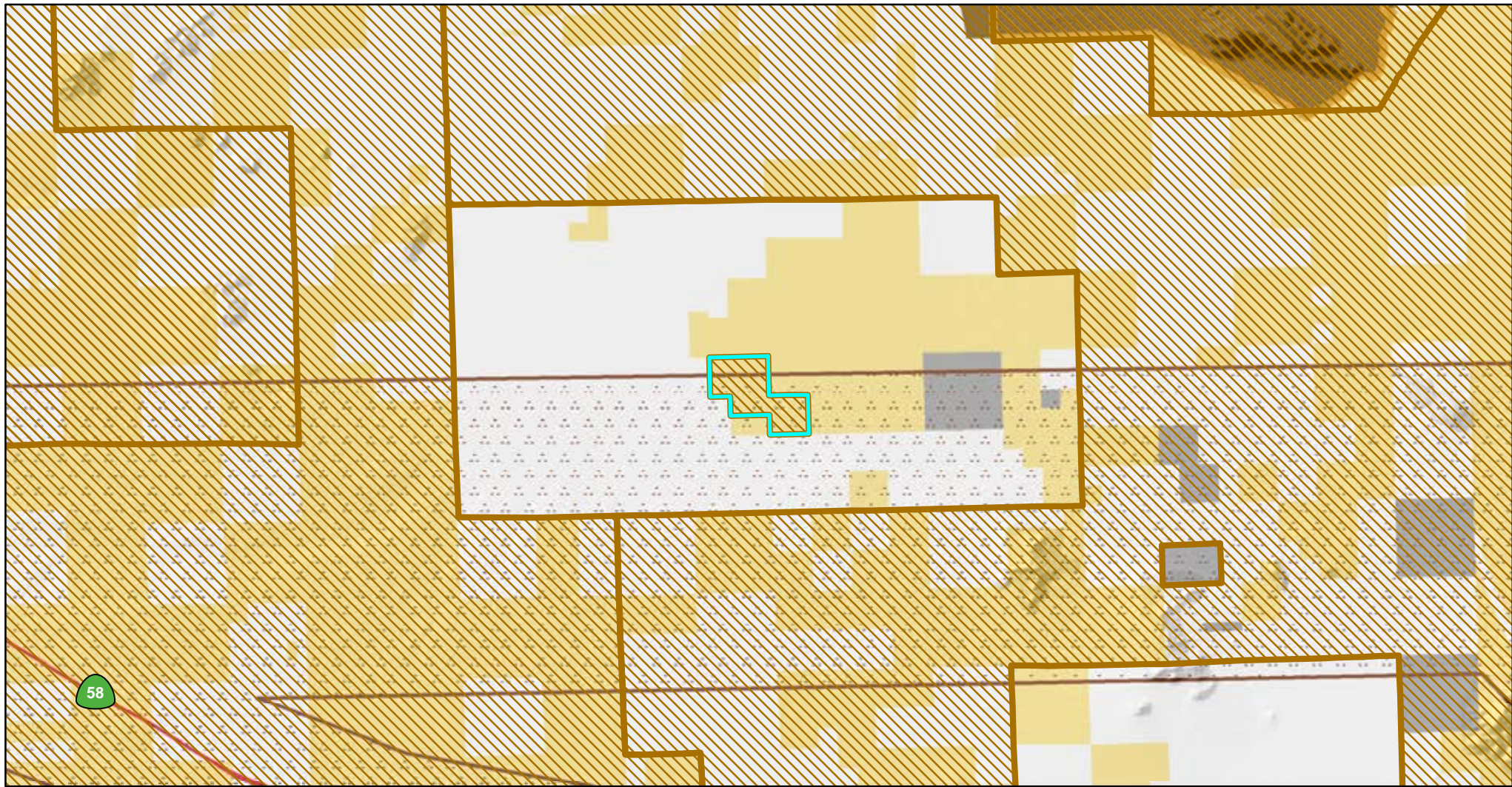
## Harper Dry Lake Alternative 4

8/27/2015

Draft Map Boundaries Subject to Change









### Conservation Footprint

-  Existing ACEC
-  National Conservation Lands
-  Transmission Corridor
-  Legislatively & Legally Protected Areas
-  CDCA Boundary
-  DRECP Boundary

### Land Status

-  Bureau of Land Management
-  Department of Defense

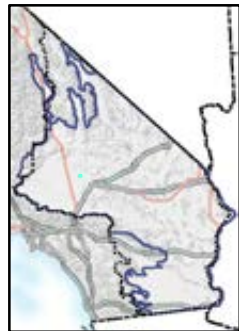
## Harper Dry Lake

### No Action

9/15/2015

Draft Map Boundaries Subject to Change

0 2.5 5 Miles



## Horse Canyon

**National Conservation Lands Ecoregion:** Not in CDCA

**Description/Location:**

The Horse Canyon ACEC includes private and federal land and mineral estate, identified principally for its important cultural and paleontological resources. In addition, the area contains a number of BLM sensitive plant species. The area is a mix of pinyon pine-juniper woodland and desert scrub vegetation communities in the southern Sierra Nevada Range, ranging in elevation from 4,400 to 5,700 feet. Located approximately seven miles northeast of Tehachapi Pass and the city of Tehachapi at the southern tip of the Sierra Nevada Range; it is due west of Middle Knob ACEC.

**Nationally Significant Values:** Not eligible for NCL proposal under PL 111-11 because not in CDCA.

**Special Designations/Management Plan/Date:** Original ACEC designation Caliente RMP 1997

**Relevance and Important Criteria:** Relevant historic, cultural, or scenic value; natural process or system.

The Horse Canyon ACEC lies within an area that was a major east-west corridor for precontact Native American movement between the California desert and Great Basin regions to the coast. As a result, archaeological sites here likely yield important information about trade and cultural exchange. Food processing features, rock art, quarries, lithic flake and tool scatters, rock ring habitation features and aboriginal and historic trails are represented in the ACEC. The area was ethnographically occupied by the Kawaiisu Tribe and informants have identified several spiritually important locations within the ACEC. It is highly likely that Tribal landscape level cultural and spiritual values are still relevant. Although not formally evaluated it is possible that a sacred trail that traverses the private and BLM lands within the ACEC could be eligible for TCP designation. The concentration of precontact sites within this area would be an excellent candidate for an archaeological district NRHP listing. It could be argued that this determination should represent a national level of significance due to the broad patterns of significant precontact history associated with the movement of people, material culture, technology and ideas through this area.

Of the paleontological resource values known within and adjacent to the area the unique presence of the Phillips Ranch vertebrate locality provides high research potential to yield significant information on vertebrate fossils and the history of geologic/fault activity in the region. This locality of the Kinnick formation has resulted in discoveries of fossilized mammalian faunas (small horses, camels, and antelope-like forms) ranging in age from early middle Miocene to late Miocene. In addition, from about the same stratigraphic level of Phillips Ranch fauna locality, floras have been found that consists of sixty-nine trees and shrubs assigned to the early Miocene (Savage, 1954). Furthermore, portions of the Bopesta formation (PFYC Class 5) contain Cache Peak vertebrate fossils (late Miocene) from the locality found on the east fork of Cache Creek, adjacent to the ACEC east boundary. As the Bopesta formation extends across the area, the potential for fossil bearing horizons exists within the ACEC.

In addition to cultural and paleontological resources, seven BLM sensitive plants have been documented to occur in the area: Spanish Needle Onion (*Allium shevockii*), Palmer's mariposa lily (*Calochortus palmeri* var. *palmeri*), Cache Peak buckwheat (*Eriogonum kennedyi* var. *pinicola*), Pale-yellow layia (*Layia heterotricha*), Calico monkeyflower (*Mimulus pictus*), Spjut's bristle-moss (*Orthotrichum spjutii*), and Piute Mountains jewelflower (*Streptanthus cordatus* var. *piutensis*).



A number of activities in the area threaten the values present within the ACEC. These include residential development, exploitation of wind energy resources, and the presence of valuable solid minerals, most notably the Horse Canyon agate field. These mineral deposits have in addition to agate yielded chalcedony, opal, chert, jasper, and petrified wood. Casual collection of mineral specimens has unfortunately resulted in degradation of cultural resources and values and the unauthorized collection of vertebrate fossils. There is currently one mining claim within the ACEC associated with the Horse Canyon agate field. There are no current mineral materials operations in the ACEC, however, historically quarries for volcanic and sedimentary rocks for roofing granules were developed in Section 32, 33, & 34, T.31S., R.34E., MDB&M.

**Recreation Area:** This unit overlaps with Middle Knob SRMA.

**Grazing Allotment:** This unit overlaps with Hansen Common Allotment.

**Overarching Goals:**

Protect significant cultural sites, including traditional cultural properties associated with Native American values and important paleontological resources.

**Designation and Acreage by Alternative:**

Alternative	BLM Acres of NLCS within ACEC or Wildlife Allocation	BLM Acres within ACEC	BLM Acres within Wildlife Allocation	ACEC Disturbance Cap
	0	1,500	0	NA
Preferred Alternative	0	1,500	0	1%
1	0	1,500	0	1%
2	0	1,500	0	1%
3	0	6,800	0	1%
4	0	1,500	0	1%

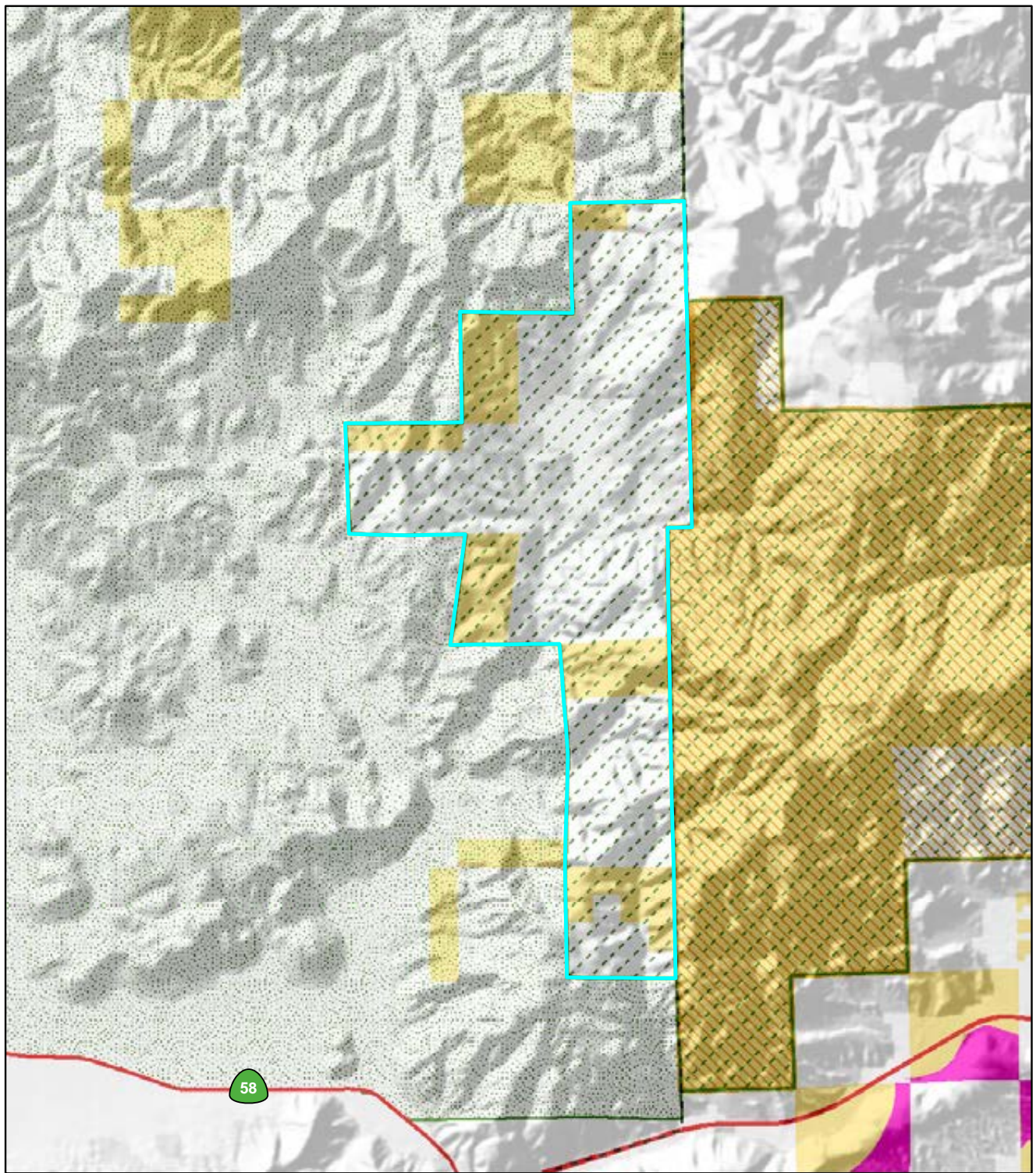
\* Acreage values are for BLM managed lands

Objectives (desired future conditions) /Allowable Uses/Management Actions	Resource
<p>Objective: Maintain or improve the quality and diversity of biological resources through the maintenance, enhancement, and restoration of habitats.</p> <p>Management Action 1: Remove invasive nonnative weed populations.</p> <p>Management Action 2: Conduct multi-year surveys of special status plants to establish a baseline in the ACEC.</p>	Vegetation - Including special status plant species
<p>Objective: Protect significant cultural sites, including traditional cultural properties associated with Native American values.</p> <p>Management Action 1: Conduct intensive cultural resources inventory of BLM lands within the ACEC.</p>	Cultural Resources

<p>Management Action 2: Conduct ethnographic and ethnohistoric studies to augment existing information regarding Native American values.</p> <p>Objective: General Management of Cultural Resources.</p> <p>Management Action 3: See programmatic ACEC cultural resources objective and action items in general cultural resources rules.</p>	
<p>Objective: Identify, manage, and protect important paleontological resources.</p> <p>Allowable Uses: Accommodate permit requests for scientific research by qualified individuals or institutions.</p> <p>Management Action: Minimize or prevent human-caused damage to paleontological resources through educational and interpretive outreach programs focusing use on <u>common invertebrate and plant fossils</u>.</p>	Paleontology
<p>Objective: Manage OHV use to protect environmental resources, promote public safety, and provide OHV use opportunities where appropriate.</p> <p>Allowable Use: OHV Limited area – vehicle use limited to designated roads and trails.</p> <p>Management Action: Designate roads and trail for public use as motorized</p>	Trails and Travel Management
<p>Objective: General Management Of Recreation - Not within a designated Recreation Management Area.</p> <p>Allowable Use: Identify, in accordance with 43 CFR 8365.1-5(b)(2), the ACEC as an area where the collection of nonrenewable resources, such as rocks, mineral specimens, common invertebrate fossils and semi-precious gem stones is prohibited.</p> <p>Management Action: See planning area wide action items in general recreation rules.</p>	Recreation
<p>Objective: Consolidate through tenure adjustment.</p> <p>Management Action: Acquire inholdings, edgeholdings and other interests from willing sellers.</p>	Land Tenure
<p>Objective: Protect resource values of the ACEC</p> <p>Management Action 1: Land use authorization proposals (new, renewal, and amendment) will be analyzed on a case-by-case basis to assess whether they are compatible with the ACEC and its management goals.</p> <p>Management Action 2: Transmission lines larger than 231kV must be located in designated transmission corridors.</p>	Rights of Way (ROW)




<p>No development</p> <p>Objective: Maintain integrity of large blocks of habitat</p> <p>Allowable Uses: Not an allowable use. Renewable energy development is not compatible with NLCS and ACEC unit values and criteria</p> <p>Geothermal: ACECs are closed to geothermal leasing and development unless they overlap with a DFA where geothermal is allowed. Where there is overlap, ACECs are open to geothermal leasing with an NSO stipulation.</p>	<p>Renewable Energy</p>
<p>Objective: Facilitate reasonable, economical, and environmentally sound exploration and development of mineral resources, while ensuring compatibility with ACEC relevant and important values.</p> <p>Allowable Uses:</p> <p>Locatable Minerals, 1: Establish, in accordance with 43 CFR 3809.31, the ACEC as an area requiring a 15 day notification be given to the BLM prior to beginning any activity under the mining laws including; Casual Use, to allow the BLM to determine whether a plan of operations must be submitted.</p> <p>Locatable Minerals, 2: Identify, in accordance with 43 CFR 8365.1-5(b)(2), the ACEC as an area where the collection of nonrenewable resources, such as rocks, mineral specimens, common invertebrate fossils and semi-precious gem stones is prohibited.</p> <p>Mineral Materials: Closed to mineral material disposal.</p> <p>Non-Energy Leasables: Closed to solid (non-energy) mineral leasing.</p> <p>Fluid Minerals: Open for fluid mineral leasing, subject to No Surface Occupancy (NSO).</p>	<p>Locatable Minerals Mineral Materials Non-Energy Leasable</p>
<p><b>Alternative 2:</b> Identify as either Unavailable or Available for livestock grazing per BKFO PRMP/FEIS Map LG-B.</p>	<p>Livestock grazing</p>




# Conservation Footprint

 National Conservation Lands

## ACEC Boundaries

 1% Disturbance Cap

 Wildlife Allocation

 DRECP Boundary

 CDCA Boundary

## Renewable Footprint

 Development Focus Areas

## Land Status

 Bureau of Land Management

0 1 2 Miles



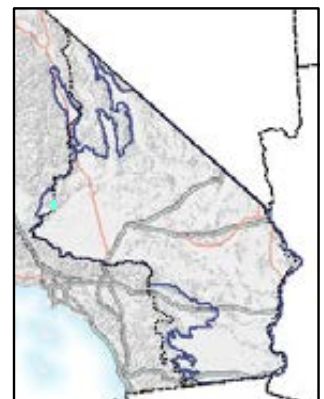
## Horse Canyon

6/25/2015

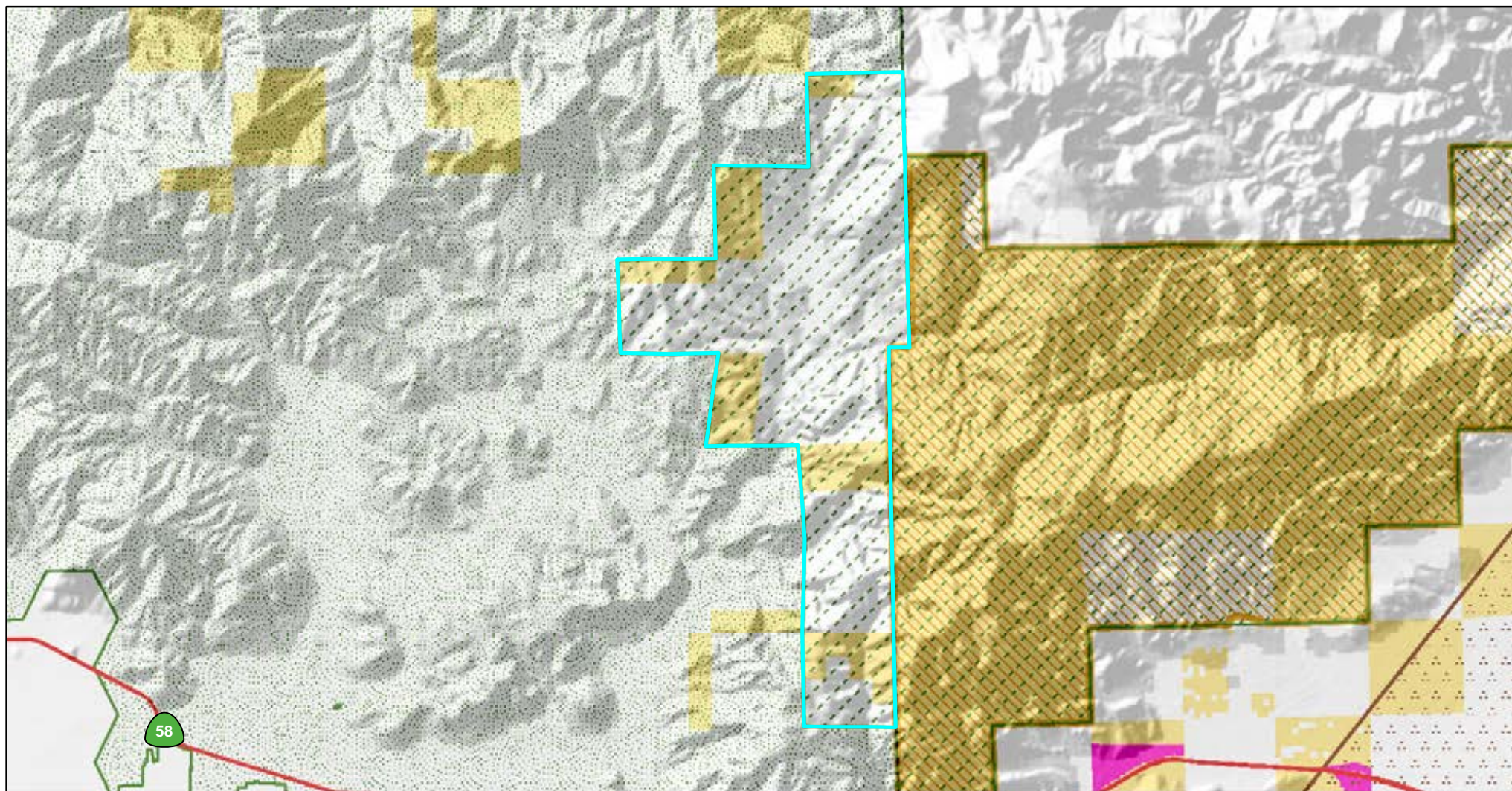


Draft Map Boundaries Subject to Change

1219








### Conservation Footprint

 National Conservation Lands


ACEC Boundaries

 1% Disturbance Cap

 Wildlife Allocation

 DRECP Boundary

 CDCA Boundary

 Transmission Corridor

Renewable Footprint

 Development Focus Areas

### Land Status

 Bureau of Land Management

0 2 4 Miles

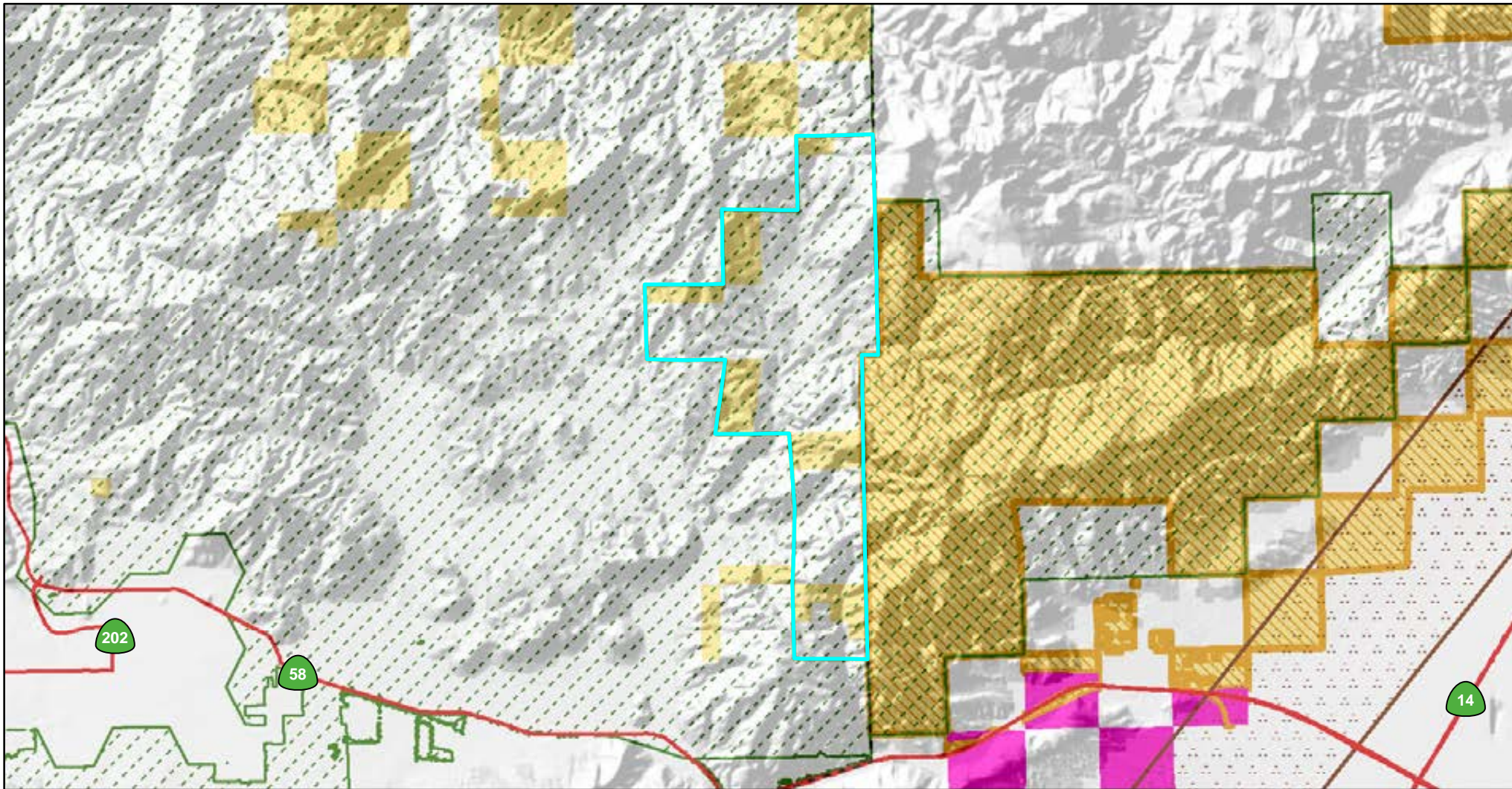
## Horse Canyon Alternative 1

8/25/2015

Draft Map Boundaries Subject to Change







### Conservation Footprint

National Conservation Lands

ACEC Boundaries

1% Disturbance Cap

DRECP Boundary

CDCA Boundary

Transmission Corridor

### Renewable Footprint

Development Focus Areas

### Land Status

Bureau of Land Management

0 1 2  
Miles

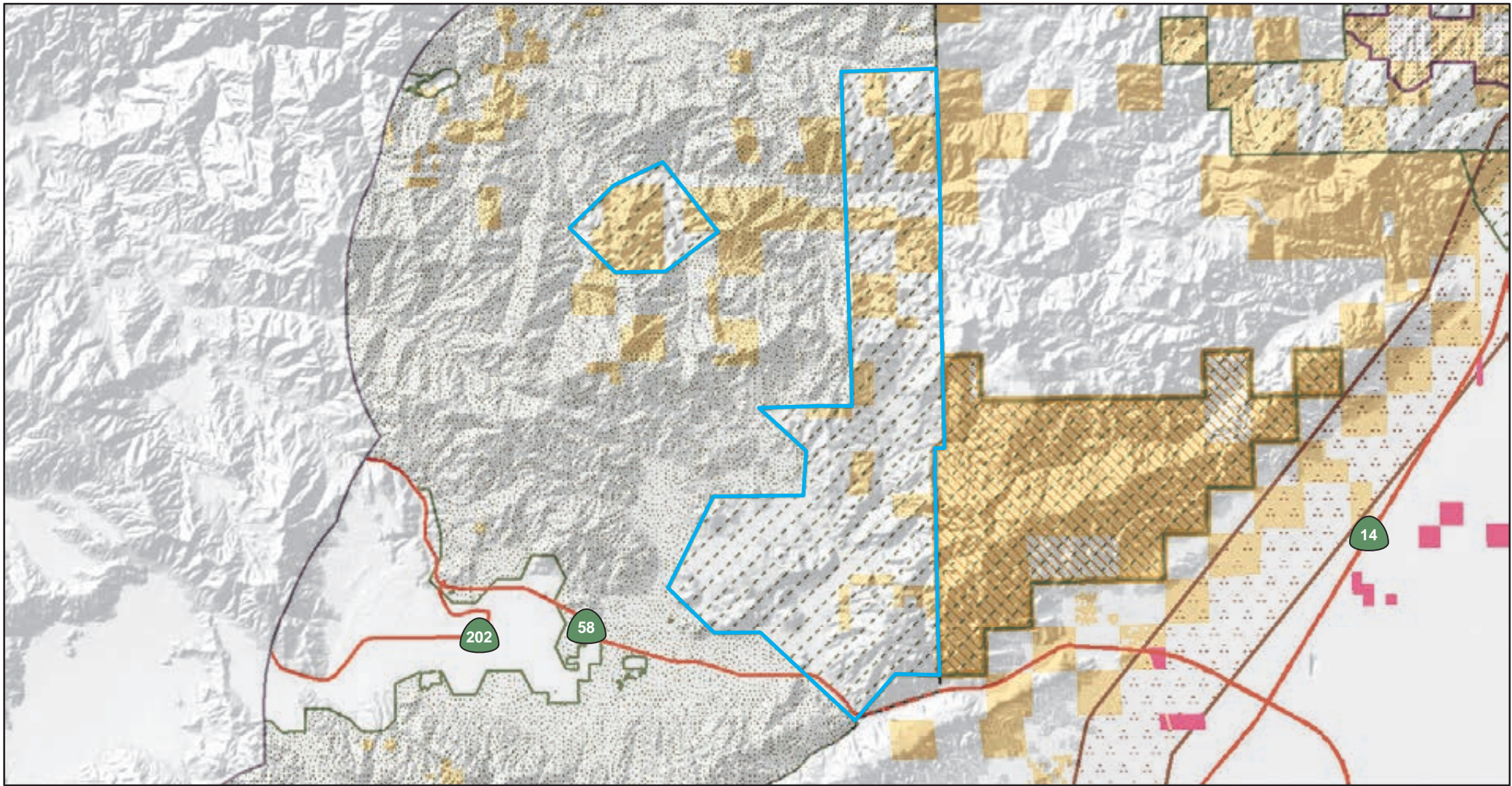
## Horse Canyon Alternative 2

8/26/2015

Draft Map Boundaries Subject to Change







### Conservation Footprint

National Conservation Lands

### ACEC Boundaries

0.1% Disturbance Cap

1% Disturbance Cap

Wildlife Allocation

DRECP Boundary

CDCA Boundary

Transmission Corridor

OHV Boundary

### Renewable Footprint

Development Focus Areas

### Land Status

Bureau of Land Management

0 2 4  
Miles

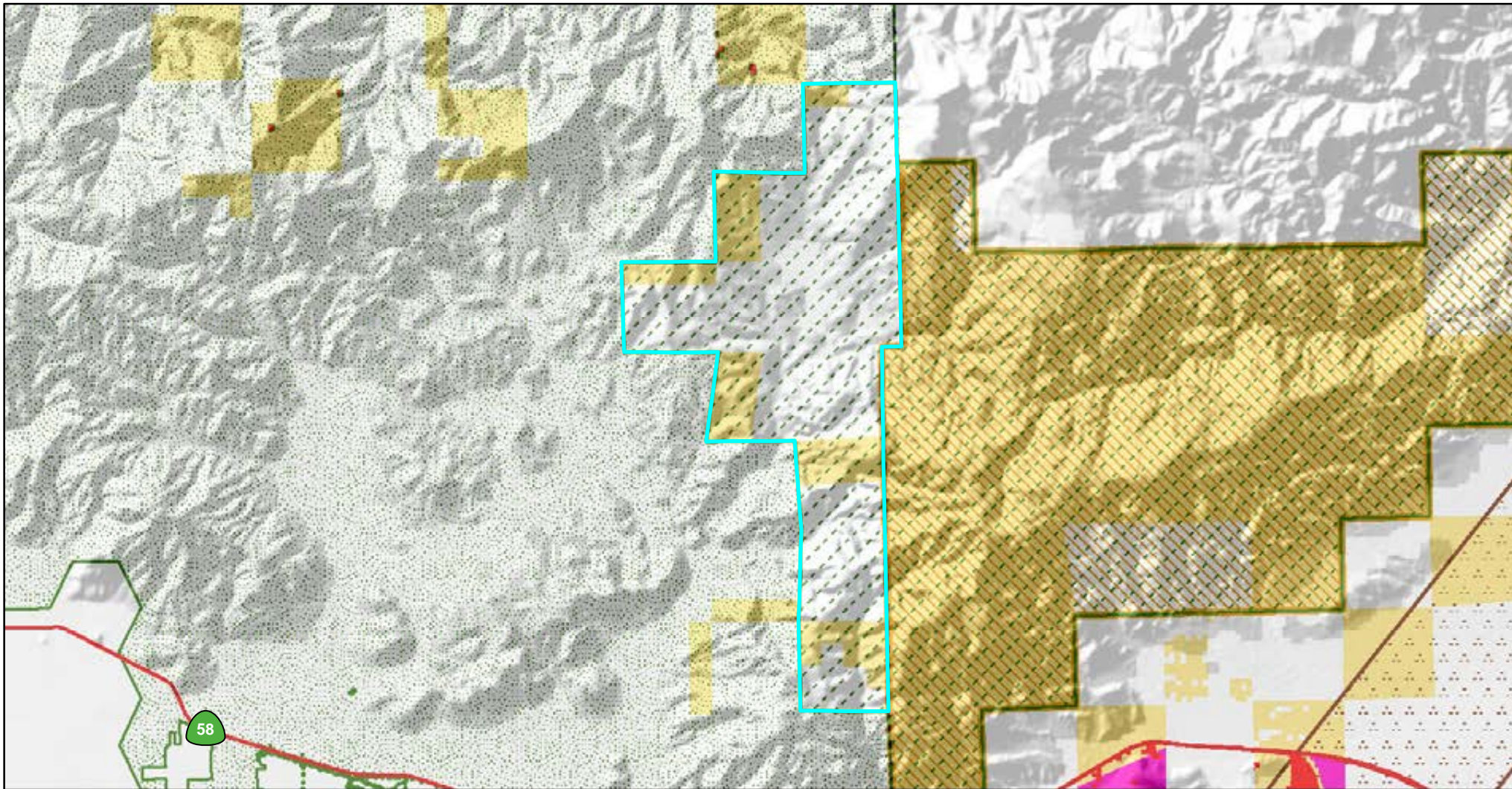
## Horse Canyon Alternative 3

8/26/2015

Draft Map Boundaries Subject to Change







### Conservation Footprint

National Conservation Lands

ACEC Boundaries

1% Disturbance Cap

Wildlife Allocation

DRECP Boundary

CDCA Boundary

Transmission Corridor

Renewable Footprint

Development Focus Areas

Variance Lands

Land Status

Bureau of Land Management

0 0.5 1  
Miles

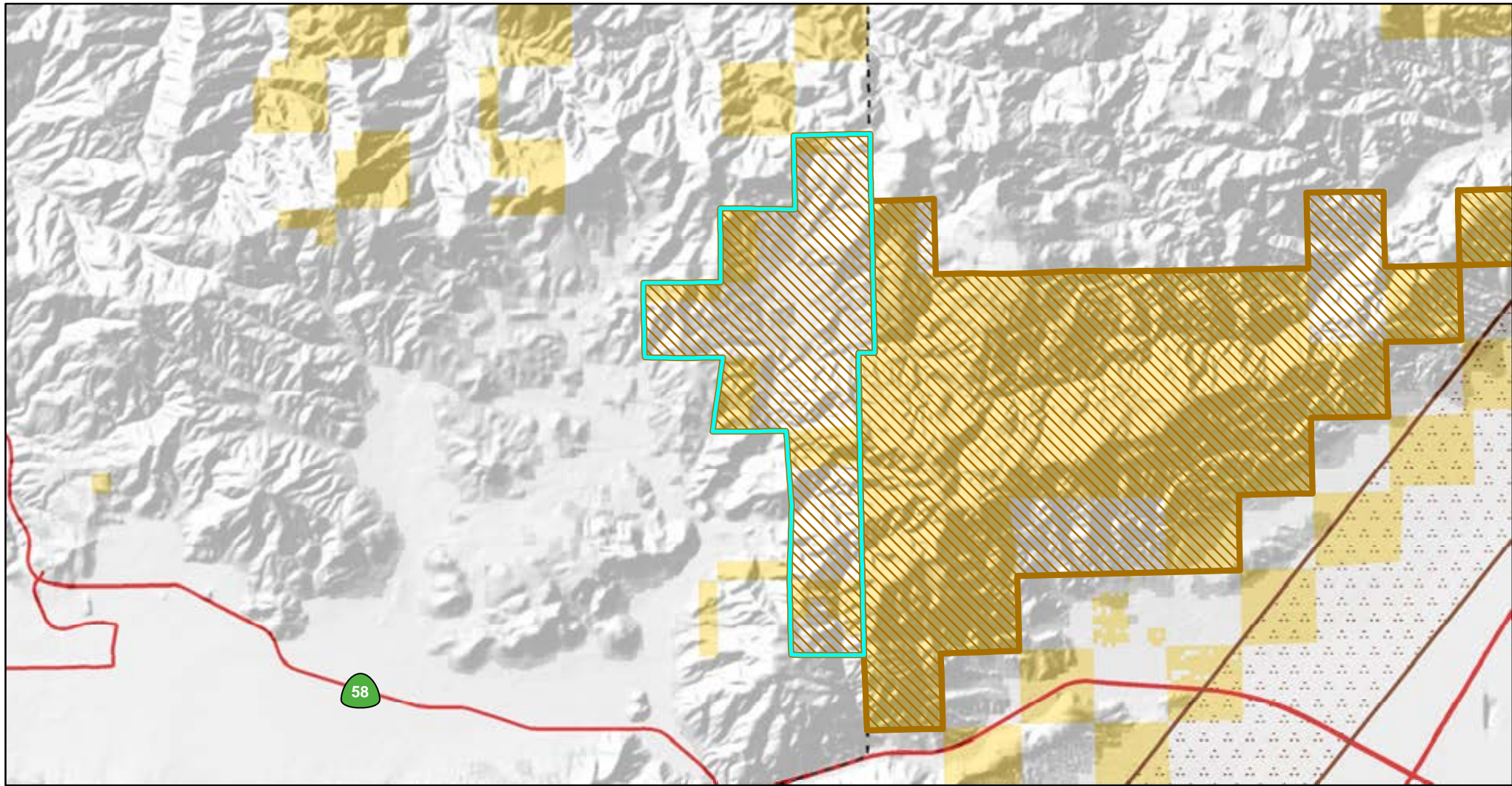
## Horse Canyon Alternative 4

8/27/2015






Draft Map Boundaries Subject to Change







### Conservation Footprint

- |  |   |
|--|---|
|  Existing ACEC         | <b>Land Status</b>  |
|  Transmission Corridor |  Bureau of Land Management |
|  CDCA Boundary         |   |
|  DRECP Boundary        |   |

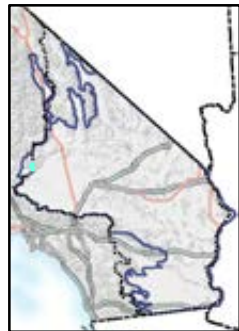
0 2.5 5 Miles

### Horse Canyon

### No Action

9/15/2015

Draft Map Boundaries Subject to Change



### Independence Creek Wilderness Study Area

**National Conservation Lands Ecoregion:** Not in CDCA

**Description/Location:** This unit is situated on the alluvial fans of the east slope of the Sierra Nevada and encompasses George Creek. It is located west of highway 395, about 8 miles northwest of Lone Pine. The westernmost boundary of the unit abuts the Inyo National Forest. The northeastern boundary of the unit is about 1.5 miles southwest of Manzanar National Historic Site. The southern portion of the unit is within the Alabama Hills Special Recreation Management Area (SRMA).

**Nationally Significant Values:** Not eligible for NCL proposal under PL 111-11 because not in CDCA.

**Special Designations/Management Plan/Date:** This unit is comprised of the entire Independence Creek Wilderness Study Area (CA-010-057) described in the California Statewide Wilderness Study Report (1990).

**Relevance and Importance Criteria:** The Independence Creek unit supports wilderness characteristics related to naturalness and outstanding opportunities for solitude and primitive and unconfined recreation.

The upper elevations of the unit provide critical winter range for the Goodale trans-Sierra migratory mule deer herd. The unit also provides habitat and habitat connectivity for other wildlife species.

The unit also contributes to the scenic viewshed of the Eastern Sierra and the watershed for the City of Los Angeles.

**Recreation Area:** This southern portion of this unit is within the Alabama Hills SRMA.

**Grazing Allotment:** This unit contains portions of the Alabama Hills and George Creek Allotments.

#### **Overarching Goals:**

Protect the natural values that contribute to opportunities for solitude and primitive and unconfined recreation.

Maintain and improve critical winter range for migratory mule deer.

Maintain and improve habitat and habitat connectivity for Sierran and desert plant and animal species.

Protect scenic and watershed values.

Where the CMAs in this Special Management Plan conflict from the CMAs included in Volume II of the Proposed LUPA and Final EIS, the more restrictive CMA would be applied (i.e. management that best supports resource conservation and limits impacts to the values for which the conservation unit was designated), unless otherwise specified.

If this area is included in the National Conservation Lands, the BLM will manage this area to protect the Nationally Significant Values above. Appropriate multiple uses will be allowed, consistent with this Special Unit Management Plan and the CMAs in Volume II. If an activity is not specifically covered by the CMAs, it will be allowed if it is consistent with the Nationally Significant Values, but prohibited if the uses conflict with those values.

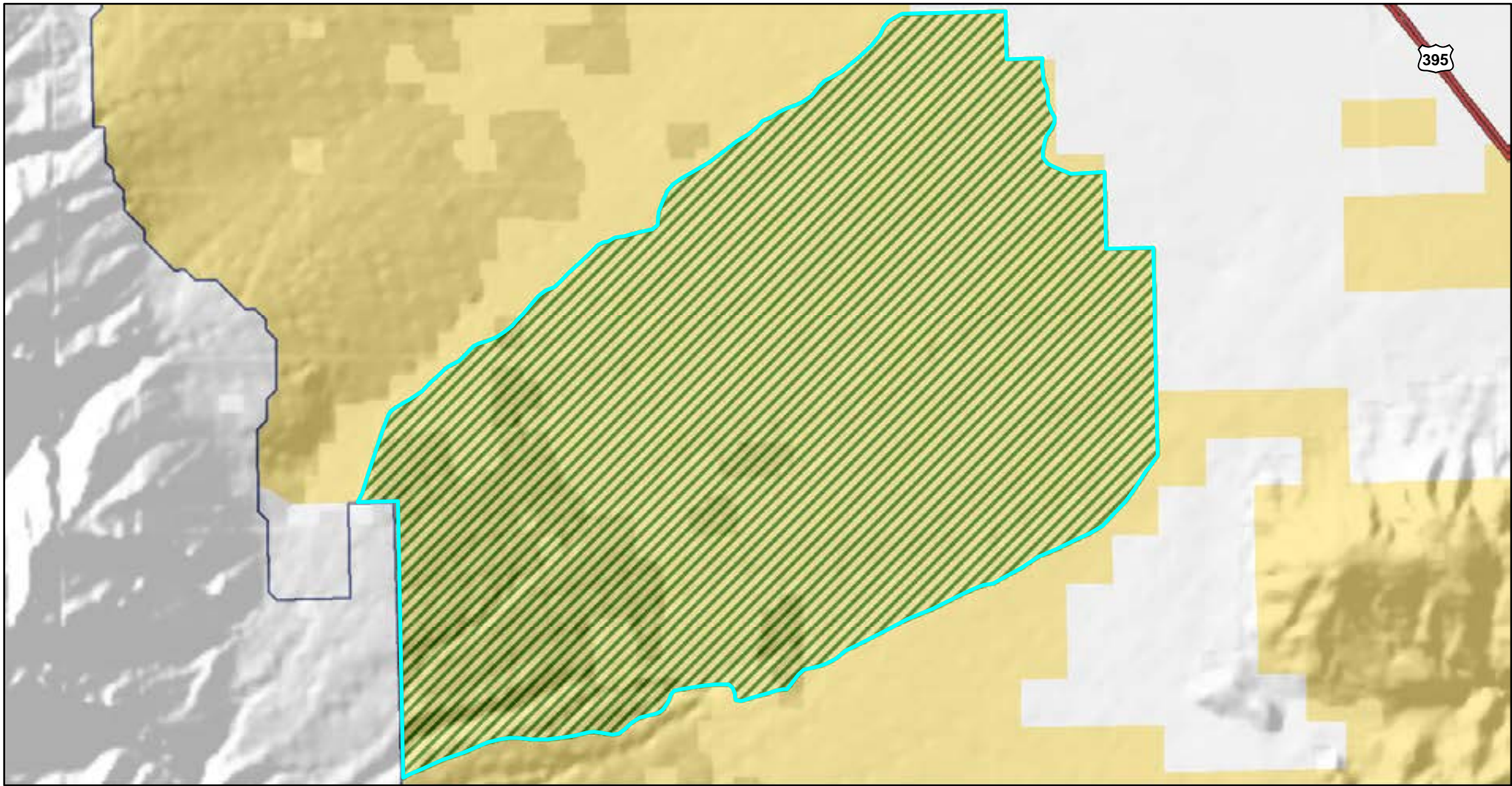


**Designation and Acreage by Alternative:**

Alternative	BLM Acres of NLCS within ACEC or Wildlife Allocation	BLM Acres within ACEC	BLM Acres within Wildlife Allocation	ACEC Disturbance Cap
No Action	0	0	0	NA
Preferred Alternative	0	6,840	0	0.25%
1	0	6,840	0	0.25%
2	0	6,840	0	0.25%
3	0	6,840	0	0.25%
4	0	6,840	0	0.25%

\* Acreage values are for BLM managed lands

Objectives (desired future conditions)/Allowable Uses/Management Actions	Resource
<p>Allowable Uses: Treatments to maintain or improve native vegetation communities and special status species habitats are not subject to the ACEC disturbance cap.</p> <p>Management Actions: Design and implement treatments to maintain and improve native vegetation communities and special status species habitats.</p>	Vegetation - Including special status species
<p>Allowable Uses: Projects and treatments to maintain or improve fish and wildlife habitats are not subject to the ACEC disturbance cap.</p> <p>Management Actions: Design and implement projects and treatments to maintain and improve fish and wildlife habitats.</p>	Fish and Wildlife - Including special status species
Allowable Uses: Manage all activities to conform to VRM II standards.	Visual Resources
<p>Allowable Uses: Vehicle travel is restricted to existing roads, routes and trails.</p> <p>Management Actions: Allow maintenance of existing roads, routes and trails.</p>	Trails and Travel Management
<p>No development.</p> <p>Objective: Maintain natural values and integrity of large blocks of habitat.</p> <p>Allowable Uses: Not an allowable use. Renewable energy development is not compatible with NLCS and ACEC unit values and criteria.</p> <p>Geothermal: ACECs are closed to geothermal leasing and development unless they overlap with a DFA where geothermal is allowed. Where there is overlap, ACECs are open to geothermal leasing with an NSO stipulation.</p>	Renewable Energy
Allowable Uses: Existing allotment and use is authorized.	Livestock grazing



### Conservation Footprint

ACEC Boundaries  
 0.25% Disturbance Cap

DRECP Boundary  
 CDCA Boundary

Land Status  
 Bureau of Land Management

### Independence Creek WSA

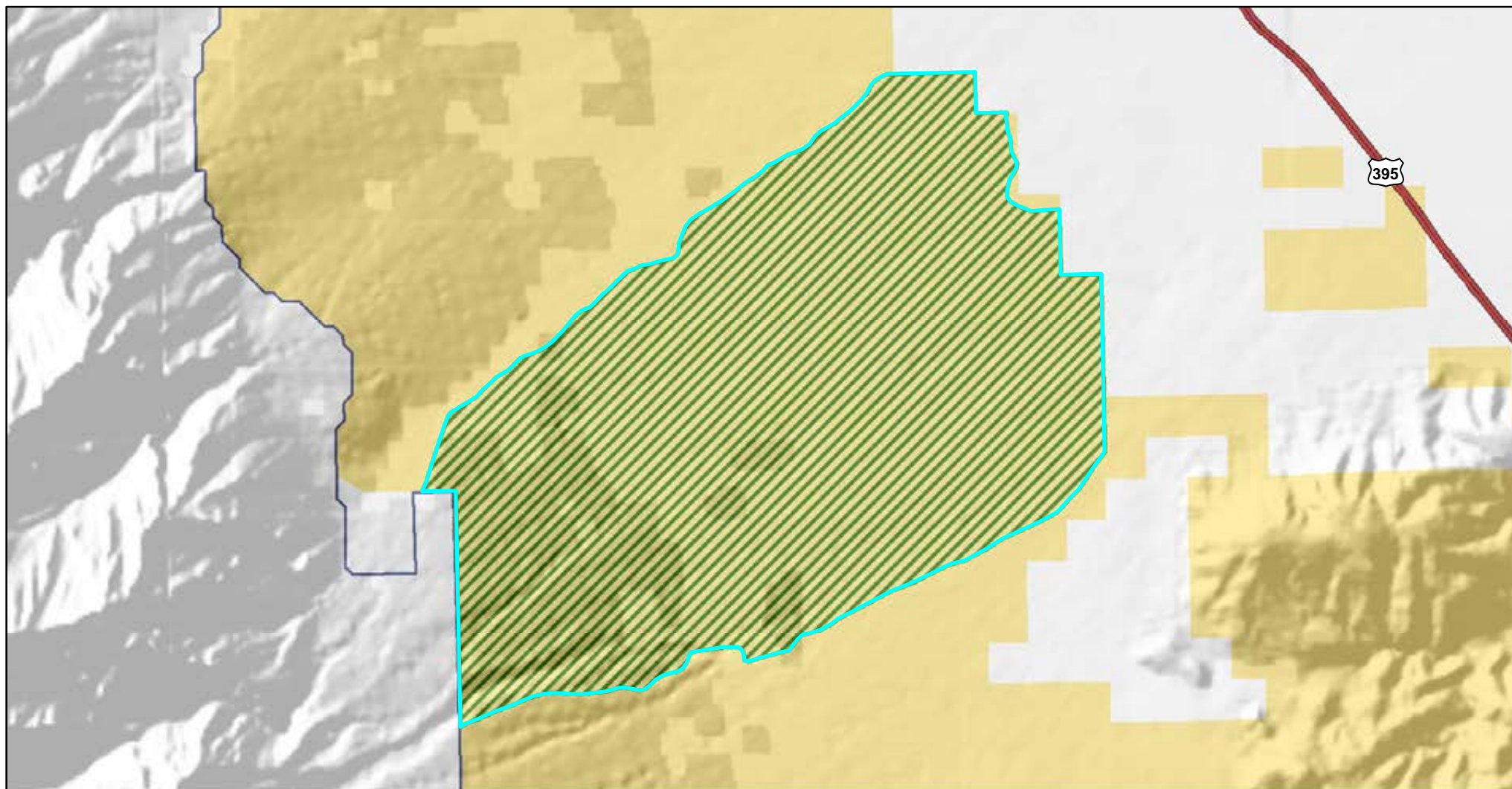
7/2/2015

Draft Map Boundaries Subject to Change

0 0.5 1 Miles







# Conservation Footprint

ACEC Boundaries



DRECP Boundary

Land Status



0.25% Disturbance Cap



Bureau of Land Management

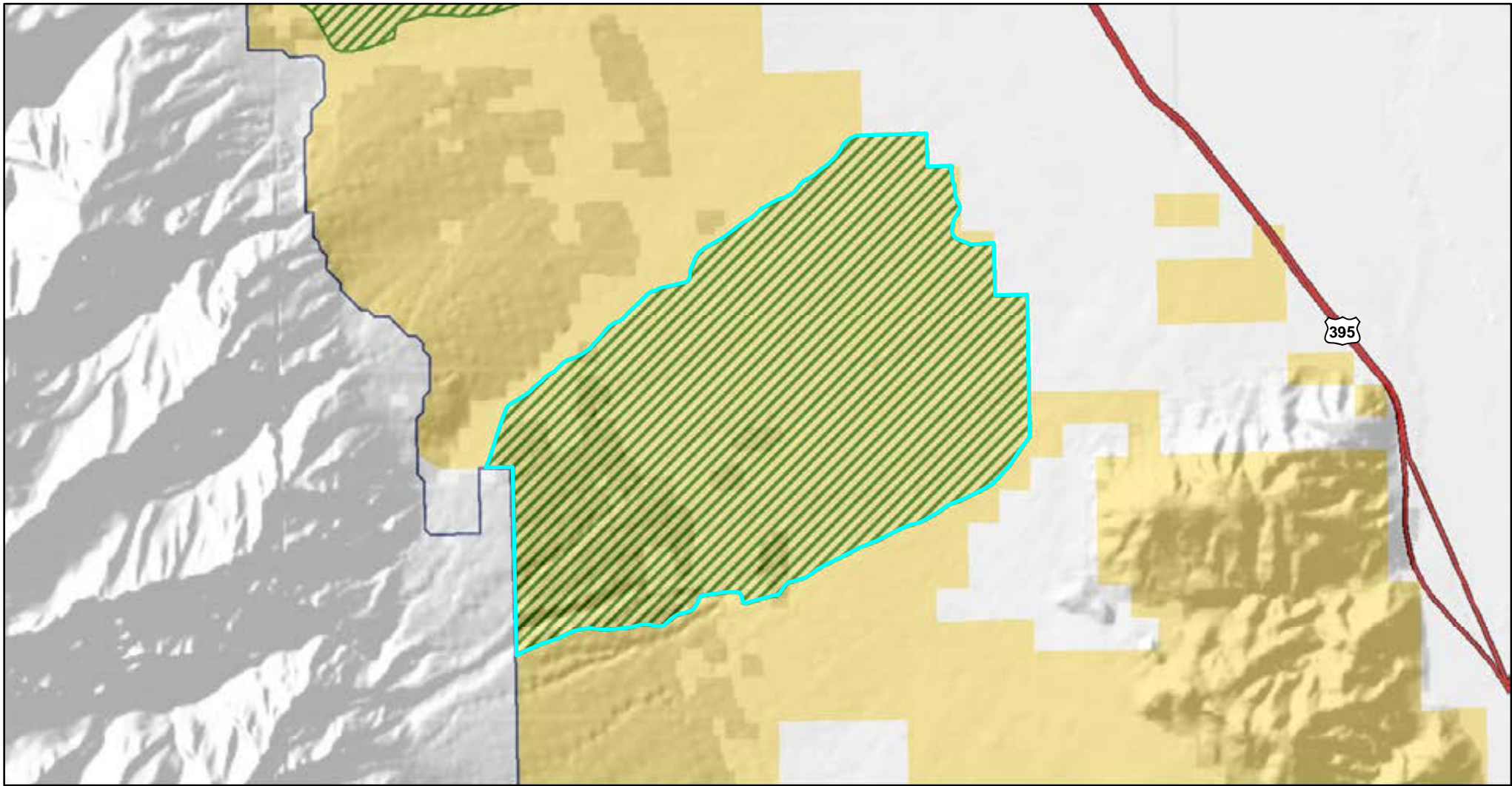
0 0.5 1 Miles

## Independence Creek WSA Alternative 1







8/25/2015

Draft Map Boundaries Subject to Change





### Conservation Footprint

- |   |  |   |
|---|--|---|
|  National Conservation Lands |  DRECP Boundary | Land Status   |
|  ACEC Boundaries             |  CDCA Boundary  |  Bureau of Land Management |
|  0.25% Disturbance Cap       |  |   |

0 1 2 Miles

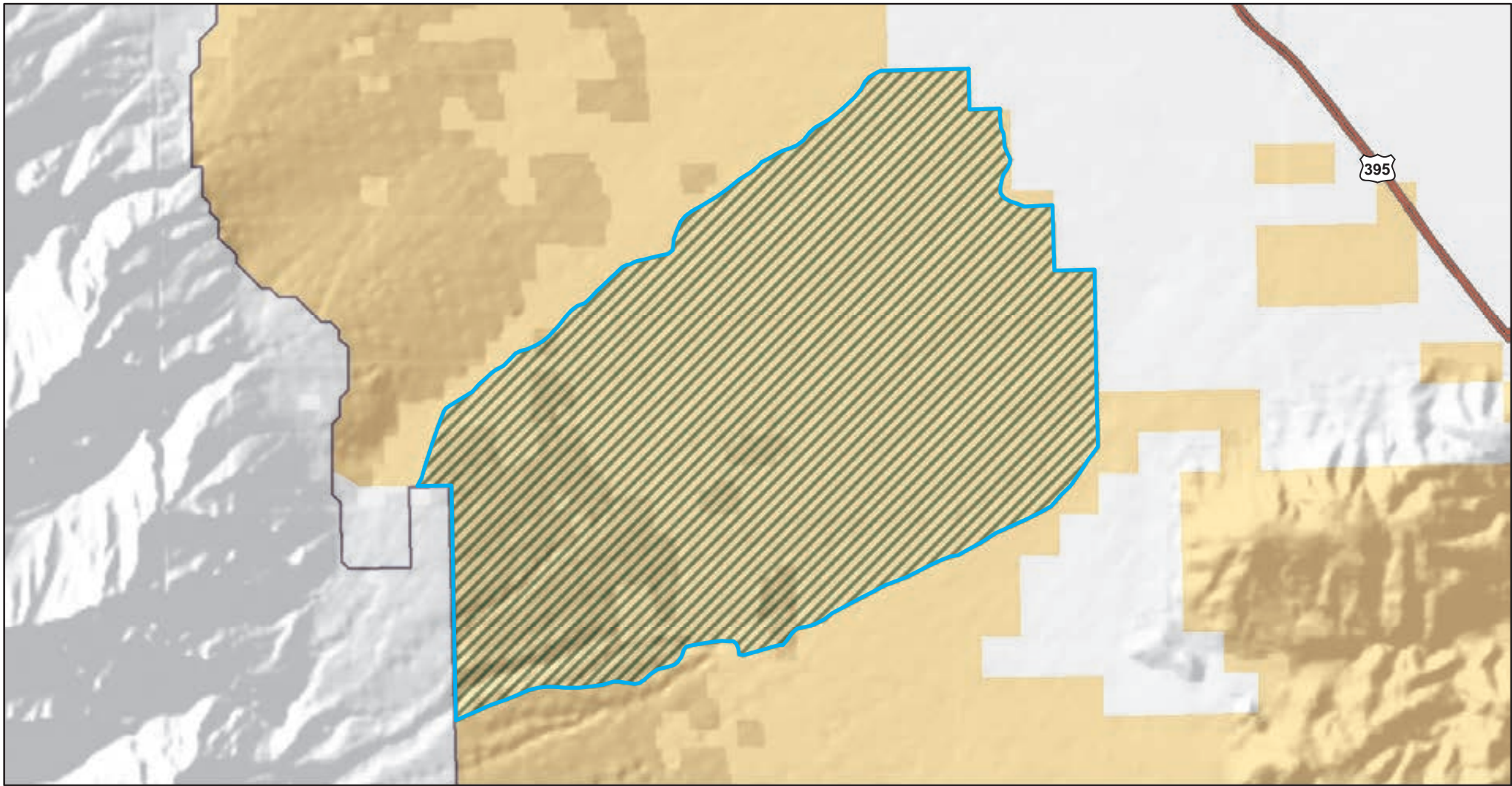
## Independence Creek WSA Alternative 2

8/26/2015




Draft Map Boundaries Subject to Change







### Conservation Footprint

ACEC Boundaries      DRECP Boundary      Land Status  
 0.25% Disturbance Cap       CDCA Boundary       Bureau of Land Management

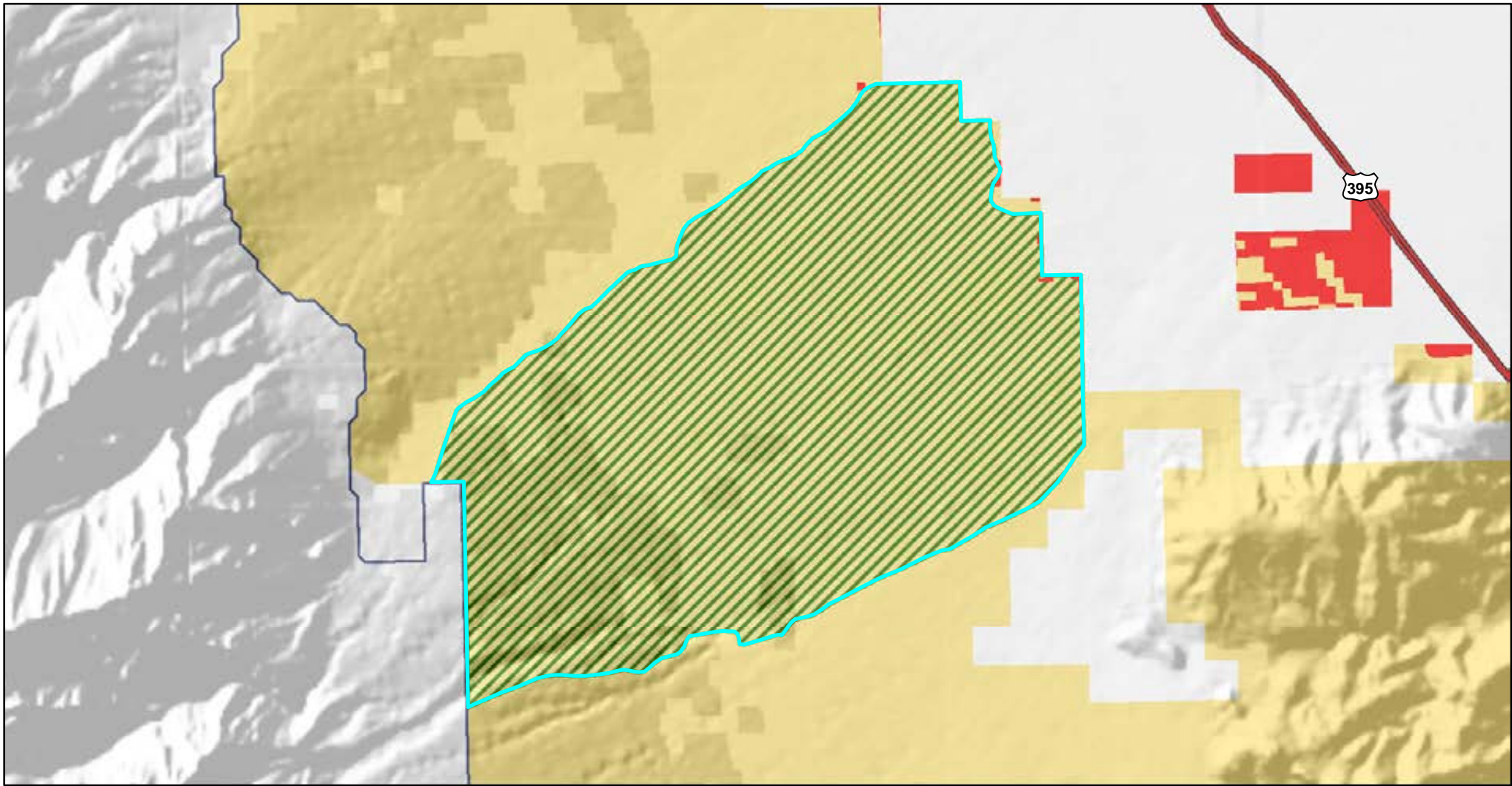
## Independence Creek WSA Alternative 3

8/26/2015

Draft Map Boundaries Subject to Change


0      0.5      1  
Miles





### Conservation Footprint

ACEC Boundaries

 0.25% Disturbance Cap



DRECP Boundary




CDCA Boundary

Renewable Footprint



Variance Lands

Land Status

 Bureau of Land Management

0 0.5 1  
Miles

## Independence Creek WSA Alternative 4

8/27/2015

Draft Map Boundaries Subject to Change





### Jawbone/Butterbrecht

**National Conservation Lands Ecoregion:** West Desert and Eastern Slopes

**Description/Location:** Located on the eastern slope of Sierra Nevada, from Jawbone Canyon north to Highway 178

**Nationally Significant Values:**

**Cultural:** The cultural resource values include prehistoric villages, habitation locales, lithic reduction sites, and extensive pictograph and petroglyph rock art sites. Historic resources identified throughout the area include the Los Angeles Aqueduct and associated labor camps, stage coach stops, railroad sidings, mining, Civilian Conservation Corp camps and projects, and historically significant routes of travel such as Bird Springs Pass used by the Fremont Expedition, Walker Pass, a National Historic Landmark identified as one of the first overland routes into California, and the Pacific Crest National Scenic Trail. During the CDCA Plan, the Kawaiisu identified several traditional resource gathering sites, ceremonial locations, and religious areas within this area. Sites throughout the current ACEC boundary are listed or considered eligible for listing on the National Register of Historic Places. Areas of traditional cultural significance were identified by the Kawaiisu during the CDCA, but have not been further designated. Though portions of the Jawbone/Butterbrecht area are used for OHV recreation, much of it remains untrammelled.

**Ecological:** Numerous active Golden Eagle active nests (at least 5) and prime upland foraging habitat. Includes a large portion of the Mohave ground squirrel core population centers of which there are only 11 total. Contains many specific conservation areas including one for the Kelso Creek Monkeyflower. Joshua tree woodland is also present. This area also includes Robber's Roost Birds of Prey Nesting Area, a unique geological feature and granitic rock outcropping with ideal nesting habitat.

**Special Designations/Management Plan/Date:**

Designated ACEC in California Desert Conservation Area Plan, 1980; *A Sikes Act Management Plan for the Jawbone-Butterbrecht Area of Critical Environmental Concern (CA-06-ACEC 20) and the Sierra-Mojave-Tehachapi Ecotone Wildlife Habitat Management Area (CA-06-WHA-20)*, 09/27/1982; West Mojave Plan Amendment 01/2005 (D.1.13) – added three conservation areas: Bendire's Thrasher/Kelso Valley Conservation Area; Kelso Creek Monkeyflower Conservation Area; Mohave ground squirrel Conservation Area

**Relevance and Importance Criteria:**

Relevant wildlife habitat and Native American values. Contains some of the more productive wildlife habitat in the California Desert including an important migratory bird stopover and part of a major raptor and vulture migratory corridor. Contains yellow-eared pocket mouse, Bendire's Thrasher and Mohave ground squirrel habitat. West Mojave endemic plant Kelso Creek Monkeyflower has nearly its entire range within the ACEC Joshua tree woodland provides nesting habitat for native birds and a food source for Mohave ground squirrel. Native American heritage and religious sites present. Some areas within the ACEC provide a combination of meteorological, geological, hydrological, topographical features that have been identified as important climate refugia (slow/minimized climate changes) for wildlife species. Part of the Pacific Crest Trail crosses the ACEC. Sites historically used by Kawaiisu for traditional religious and secular purposes.

**National Historic and Scenic Trails:** This unit overlaps a portion of the Pacific Crest Trail.

**Recreation Area:** This unit overlaps with the Jawbone and the Pacific Crest Trail SRMAs. Also within the boundaries of the ACEC are the Jawbone Canyon OHV Open Area and the Dove Springs OHV Open Area.

This area of the CDCA has been a popular recreational destination for decades.

**Grazing Allotment:** This unit overlaps with Hansen Common, Kelso Peak, Rudnick Common, and Woolstalf Creek Allotments.

**Lands with Wilderness Characteristics:** This unit contains 2,065 acres of lands that would be managed to protect wilderness character under the preferred alternative. The CMAs for lands managed to protect wilderness character would also apply in those areas.

**Overarching Goals:**

To protect and enhance wildlife habitats, Native American, and other natural and cultural resources, while allowing appropriate land uses.

Where the CMAs in this Special Management Plan conflict from the CMAs included in Volume II of the Proposed LUPA and Final EIS, the more restrictive CMA would be applied (i.e. management that best supports resource conservation and limits impacts to the values for which the conservation unit was designated), unless otherwise specified.

If this area is included in the National Conservation Lands, the BLM will manage this area to protect the Nationally Significant Values above. Appropriate multiple uses will be allowed, consistent with this Special Unit Management Plan and the CMAs in Volume II. If an activity is not specifically covered by the CMAs, it will be allowed if it is consistent with the Nationally Significant Values, but prohibited if the uses conflict with those values.

**Designation and Acreage by Alternative:**

Alternative	BLM Acres of NLCS within ACEC or Wildlife Allocation	BLM Acres within ACEC	BLM Acres within Wildlife Allocation	ACEC Disturbance Cap
No Action	0	147,800	0	NA
Preferred Alternative	65,069	153,241	0	1%
1	20,900	153,200	0	1%
2	137,500	137,500	0	1%
3	86,800	153,200	0	1%
4	67,200	153,200	0	1%

**\* Acreage values are for BLM managed lands**

Objectives (desired future condition)/Allowable Uses/Management Actions	Resource
Objective: Protect water sources and associated riparian habitat Allowable Uses: No construction or recreation in riparian areas Management Action: Restrict construction and recreation activities where water resources will be impacted	Soil, water, air



<p>Objective: Soils exhibit functional biological and physical characteristics that are appropriate to soil type, climate, and land form.</p> <p>Allowable Uses: Restrict construction activities when soils are susceptible to heightened risk of erosion.</p> <p>Management Actions: Ensure soils to meet or exceed the Soil Standard of Rangeland Health, as indicated by ground or plant cover, diversity of plant species, minimal evidence of accelerated wind and water erosion and the presence of biological soil crusts where appropriate.</p>	
<p>Listed as rare, threatened or endangered by CNPS:</p> <p>Spanish Needle Onion (<i>Allium shevockii</i>) [CNPS 1B.3]</p> <p>Kern County Evening-Primrose (<i>Camissonia kernensis</i> spp. <i>kernensis</i>) [CNPS 4.3]</p> <p>White Pygmy-Poppy (<i>Canbya candida</i>) [CNPS 4.2]</p> <p>Death Valley Sandmat (<i>Chamaesyce vallis-mortae</i>) [CNPS 4.2]</p> <p>Peirson's Spring Beauty (<i>Claytonia lanceolata</i> var. <i>peirsonii</i>) [CNPS 3.1]</p> <p>Mojave Tarplant (<i>Deinandra mohavensis</i>) [CNPS 1B.2; – BLM Sensitive Species]</p> <p>Dwarf Goldenbush (<i>Ericameria nana</i>) [CNPS 4.3]</p> <p>Red Rock Poppy (<i>Eschscholzia minutiflora</i> ssp. <i>twisselmannii</i>) [CNPS 1B.2; BLM Sensitive Species]</p> <p>Pinyon Blazingstar (<i>Mentzelia eremophila</i>) [CNPS 4.2]</p> <p>Kelso Creek Monkeyflower (<i>Mimulus shevockii</i>) [CNPS 1B.2; BLM Sensitive Species]</p> <p>Hubby's Phacelia (<i>Phacelia hubbyi</i>) [CNPS 4.2]</p> <p>Charlotte's Phacelia (<i>Phacelia nashiana</i>) [CNPS 1B.2; BLM Sensitive Species]</p> <p>Mojave Indigo-bush (<i>Psoralea arborescens</i> var. <i>arborescens</i>) [CNPS 4.3]</p> <p>Unique plant assemblage – Kelso Valley Oak Woodland Assemblage</p> <p>Sensitive vegetation community - Joshua tree woodland.</p> <p>Kelso Creek Monkeyflower Conservation Area wholly within this ACEC (see its write-up).</p> <p>Management Action 1: Maintain stable or increasing population trends of special status plant species to ensure persistence.</p> <p>Management Action 2: Conserve Joshua tree woodland by monitoring population trends, removing/preventing threats, and remediating impacts when they occur.</p>	<p>Vegetation (incl. special status species)</p>
<p>Management Action: Maintain stable or increasing population trends of special status species to ensure persistence:</p> <p>American Badger (<i>Taxidea taxus</i>) State Special Animal</p> <p>Desert Tortoise (<i>Gopherus agassizii</i>) Federally and State threatened</p> <p>Mohave ground squirrel (<i>Spermophilus mohavensis</i>) State threatened</p> <p>BLM CA Sensitive Species</p> <p>Tehachapi slender salamander, State Listed Threatened</p> <p>Yellow-eared pocket mouse (<i>Perognathus xanthonotus</i>) BLM sensitive</p> <p>Prairie Falcon (<i>Falco mexicanus</i>) USFWS Bird of Conservation Concern</p> <p>Burrowing Owl (<i>Athene cunicularia</i>) BLM Sensitive</p> <p>Le Conte's Thrasher (<i>Toxostoma lecontei</i>) State Species of Special Concern</p>	<p>Fish and Wildlife (incl. special status species)</p>

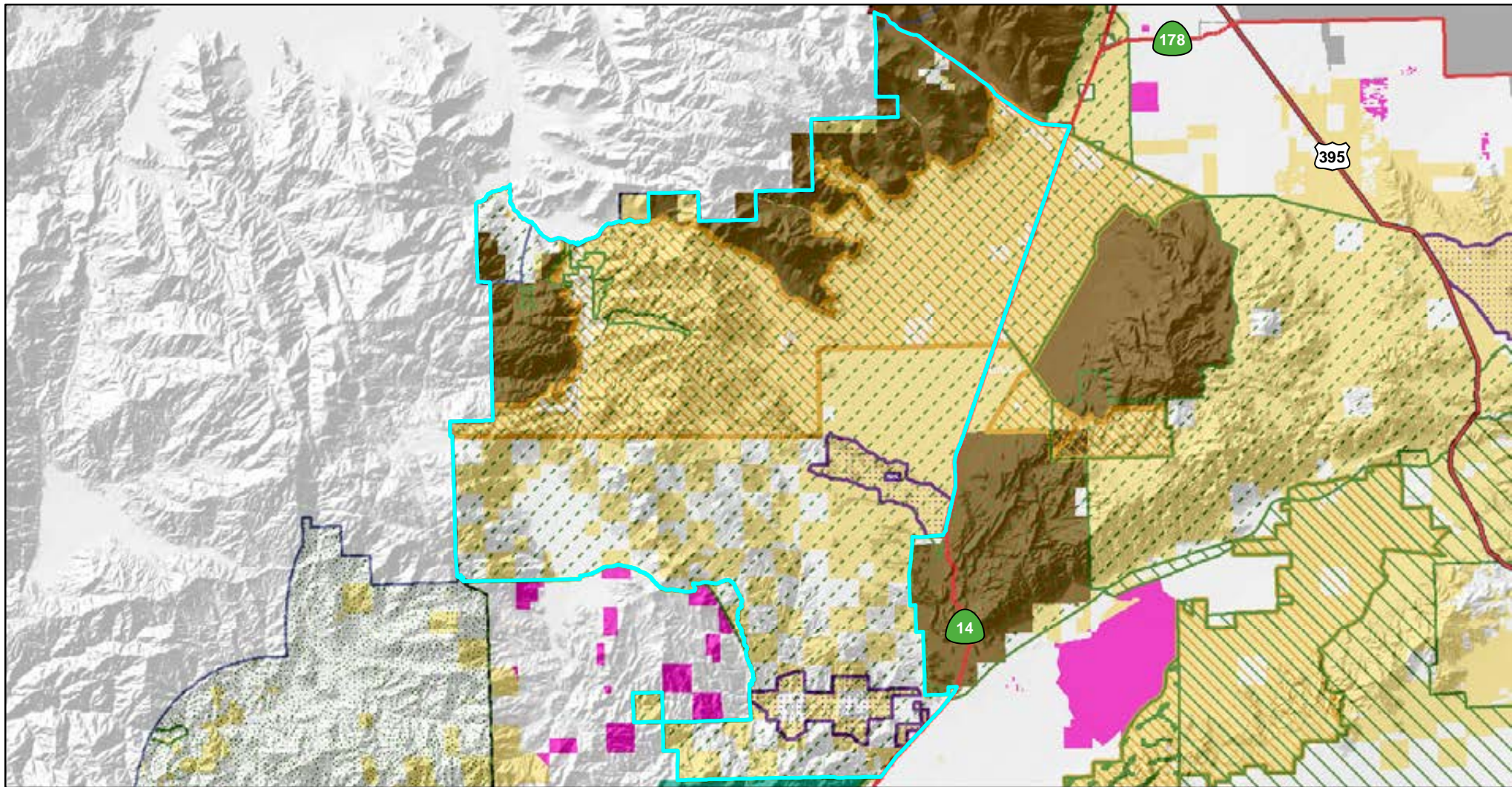
<p>Loggerhead Shrike (<i>Lanius ludovicianus</i>) BLM Sensitive Bendire's Thrasher Conservation Area within this ACEC (see write-up).  POTENTIAL: California Condor habitat  Management Action: Seasonal closure – February 1 to July 1 for raptors (Prairie Falcon) nesting at Robbers Roost</p> <p>Proposed Desert bighorn sheep reintroduction (not likely to ever happen considering how rare the Sierra Nevada Bighorn Sheep is)</p> <p>Butterbredt Spring: Currently managed as an Audubon bird sanctuary for the high volume of migrating neo-tropical birds every year.</p> <p>Objective: Protect and enhance wildlife habitat and continue to manage and protect Butterbredt Springs as a Bird Sanctuary</p> <p>Management actions:  Throughout the remainder of the ACEC, designate approved routes of travel, block non-authorized routes  Create and install interpretive signs  Restore areas disturbed by OHV use  Increase patrols  Butterbredt Spring: All of the above including increased patrols during the peak of migration and monitoring fences and barriers.</p>	
<p><b>Objective 1:</b> Protect biodiversity and manage for resilience (protect climate refugia and provide for migration corridors).</p> <p>Management Action 1: Prioritize habitat enhancement in areas expected to provide for the greatest level of resiliency (good response or rehabilitation results after significant disturbance such as fire) and or resistance to change (e.g. climate refugia).</p> <p>Management Action 2: Consider actions that enhance the primary productivity of climate refugia with native species restoration, reduced soil surface disturbance, and habitat infrastructure to increase carrying capacity of refugia (e.g., wetland, oasis).</p> <p>Management Action 3: Maintain migration corridor integrity by minimizing obstructions (fences, roads), disturbances (limiting access to water and shade during peak temperatures) and habitat fragmentation.</p> <p><b>Objective 2:</b> Maintain and or enhance key ecosystem processes (e.g., carbon sequestration, water residence time) and prepare and respond to significant disturbances to the environment (e.g. floods).</p> <p>Management Action 1: Develop proactive and responsive management actions for potentially dangerous and damaging disturbances to the environment, which are exacerbated by climate change (e.g. wildfire, flash floods, etc.).</p>	<p>Climate Change and Adaptation</p>



<p>Management Action 2: Minimize carbon sequestration losses from management activities by reducing impacts to vegetation, soil structure and soil biota.</p> <p>Management Action 3: Leverage disturbance events and other landscape changes, when possible, as opportunities to assess climate adaptation actions. For example, revegetation objectives for projected climate scenarios benefiting multiple ecosystem services (habitat and carbon sequestration objectives).</p>	
<p>Objective: Limit vehicles to open designated routes and prevent user-created routes from developing.</p> <p>Allowable Uses: Motorized, non-motorized, Non-mechanized,</p> <p>Management Action: Open use by vehicles would continue under the Jawbone Canyon and Dove Springs recreational vehicle Open Areas. Designate routes through the remaining ACEC. Sign designated routes routinely.</p> <p>Management Action: Use minimization criteria for designating routes in Mohave ground squirrel and Desert tortoise habitat.</p> <p>Management Action: Increase information to public and patrols</p> <p>Refer to Jawbone and Pacific Crest National Scenic Trail (PCT) SRMAs for management direction of the PCT SRMA.</p>	<p>Trails and Travel Management</p>
<p>Objective: Provide dispersed opportunities for enjoyment of the ACEC attributes</p> <p>Allowable Uses: All forms of casual and permitted recreational uses are allowed including but not limited to dispersed camping, hunting, photography, picnicking, climbing, rock hounding, astronomy/star gazing, nature study and viewing.</p> <p>Management Action: In Horse, Sage, &amp; Cow Heaven Canyons, camping is allowed only in designated camp areas. No camping within 600 feet of water sources.</p> <p>Management Action: Increase information to public, maintain signs, vehicle barriers and kiosks, and work with volunteers to clean-up parking and camping areas on a regular basis. Increase compliance with resource protection goals.</p> <p>Management Action: Maintain the current status quo with respect to the number and size of recreational vehicle campsites within the ACEC. This will require an inventory of existing camp sites for number and size and regular follow-up monitoring.</p> <p>Management Action: If new user-created camp sites are established or if existing camp sites are significantly enlarged, corrective measures will be taken. Corrective measures may include: Establishing developed campsites, signing, delineating camping boundaries with rocks, installing vehicle barriers, and restoring areas behind signs, rocks, and barriers to stop vehicle camping use from expanding. Delineate camping areas along DWP right-a-ways.</p> <p>Refer to Jawbone SRMA</p>	<p>Recreation</p>

<p>Objective: Consolidate through tenure adjustment.</p> <p>Management Action: Acquire inholdings, edgeholdings and other interests from willing sellers.</p> <p>Multiple inholdings - Rudnick Estate Trust principal landowner (48,000 acres), other landowners (10,000 acres)</p>	Land Tenure
<p>Objective: Protect resource values of the ACEC</p> <p>Allowable Uses: 3 ROWs exist – 2 for aqueducts owned by City of Los Angeles, 1 for high voltage electrical transmissions lines owned by the Southern California Edison Company</p> <p>Management Action: Land use authorization proposals (new, renewal, and amendment) will be analyzed on a case-by-case basis to assess whether they are compatible with the ACEC and its management goals.</p>	Rights of Way
<p>No development</p> <p>Objective: Maintain integrity of large blocks of habitat</p> <p>Allowable Uses: Not an allowable use. Renewable energy development is not compatible with NLCS and ACEC unit values and criteria</p> <p>ACECs are closed to geothermal leasing and development unless they overlap with a DFA where geothermal is allowed. Where there is overlap, ACECs are open to geothermal leasing with an NSO stipulation.</p>	Renewable Energy
<p>Objective: Support the national need for reliable and sustainable domestic minerals while protecting the sensitive resources in the area.</p> <p>Management Actions: New proposals will need to be analyzed at on a case-by-case basis and cumulatively, to assess whether they can be accommodated within the ACEC and its management goals.</p>	Locatable Minerals Mineral Materials Non-energy Leaseables
<p>Objective: Provide for livestock grazing opportunities in a manner that limits impacts on other resources</p> <p>Allowable Uses: Adjust livestock use where monitoring data indicate changes are necessary to meet resource objectives. This ACEC is part of the Hansen Common, Kelso Peak, Rudnick Common, and Woolstaff Creek allotments.</p> <p>Management Actions: Manage grazing authorizations to meet or exceed the Standards for Rangeland Health.</p>	Livestock grazing
<p>This ACEC, as currently configured, encompasses parts of the Bright Star Wilderness and Kiavah Wilderness and the Dove Springs OHV Open Area and Jawbone Canyon OHV Open Area. Per WEMO: contains part of the Bendire's Thrasher Conservation area and all of the Kelso Creek Monkeyflower Conservation Area</p>	Overlapping Land Designations





## Conservation Footprint

Legislatively & Legally Protected Areas
 DRECP Boundary

National Conservation Lands
 CDCA Boundary

## ACEC Boundaries

0.1% Disturbance Cap

0.5% Disturbance Cap

1% Disturbance Cap

Wildlife Allocation

OHV Boundary

## Renewable Footprint

Development Focus Areas

Variance Process Lands

## Land Status

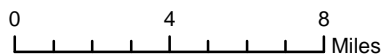
Bureau of Land Management

Department of Defense

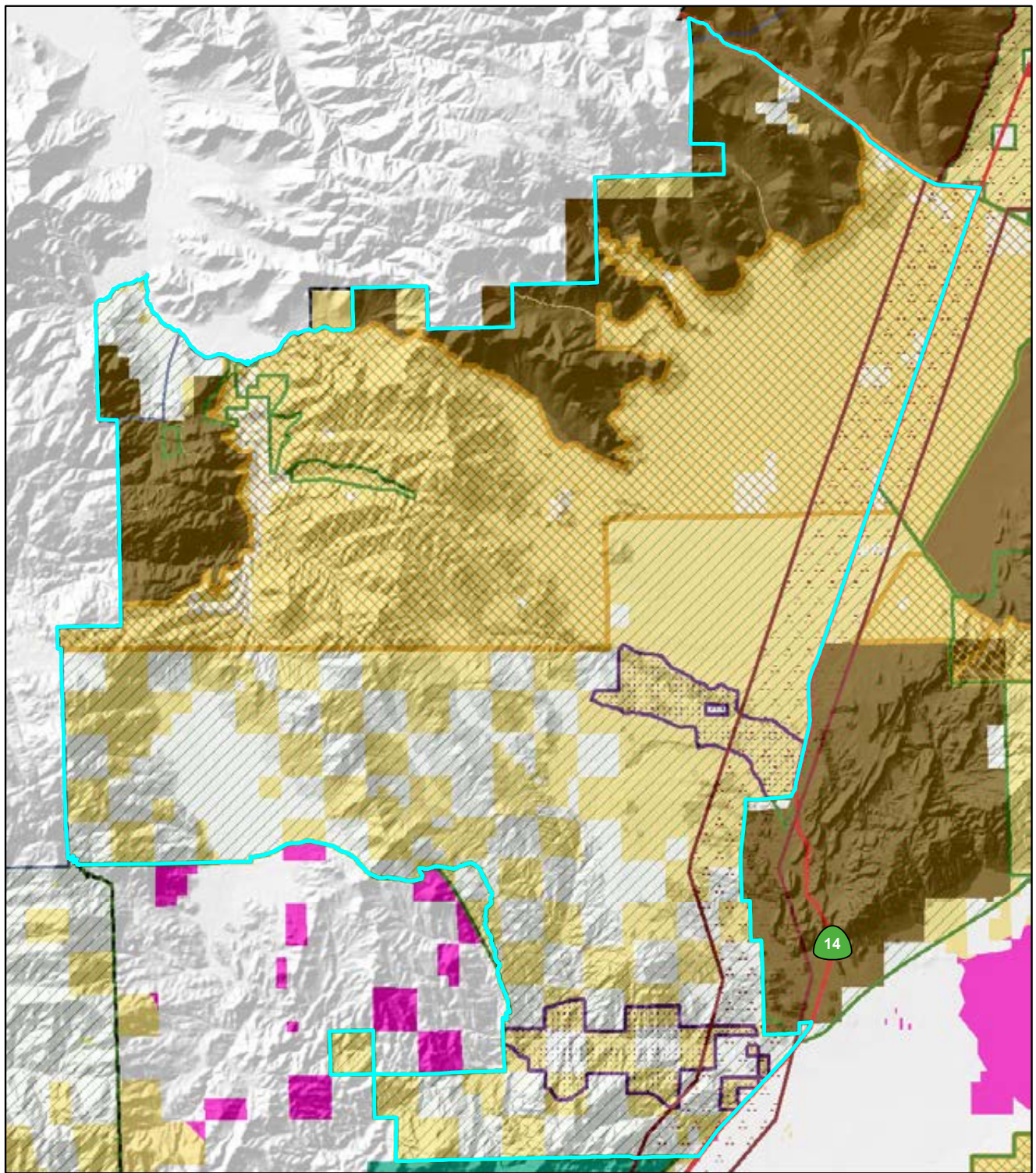
## Jawbone/Butterbredt

6/25/2015

Draft Map Boundaries Subject to Change







### Conservation Footprint

- Legislatively & Legally Protected Areas
- National Conservation Lands
- Proposed ACEC

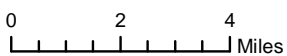
### Renewable Footprint

- Development Focus Areas
- Variance Process Lands

- DRECP Boundary
- CDCA Boundary
- Transmission Corridor
- OHV Boundary

### Land Status

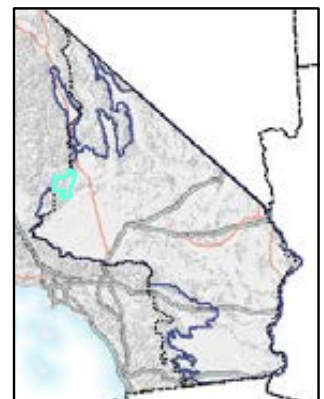
- Bureau of Land Management



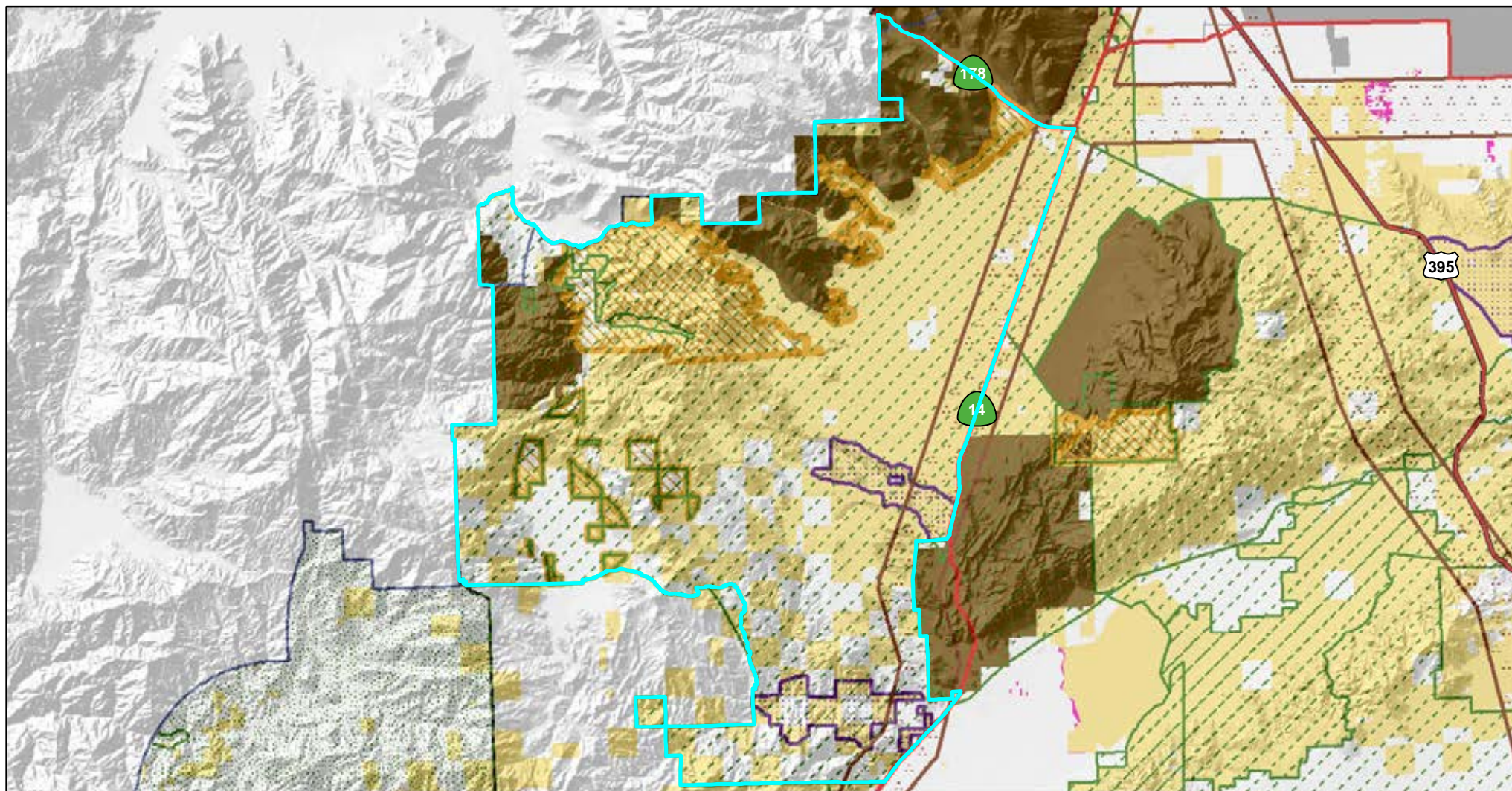
**Jawbone/Butterbredt**

7/14/2015

Draft Map Boundaries Subject to Change





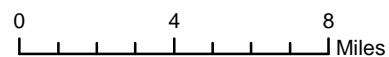


### Conservation Footprint

- Legislatively & Legally Protected Areas
- National Conservation Lands

### ACEC Boundaries

- 1% Disturbance Cap
- Wildlife Allocation



- DRECP Boundary
- CDCA Boundary
- Transmission Corridor
- OHV Boundary

### Renewable Footprint

- Development Focus Areas

### Land Status

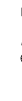
- Bureau of Land Management
- Department of Defense

## Jawbone/Butterbredt

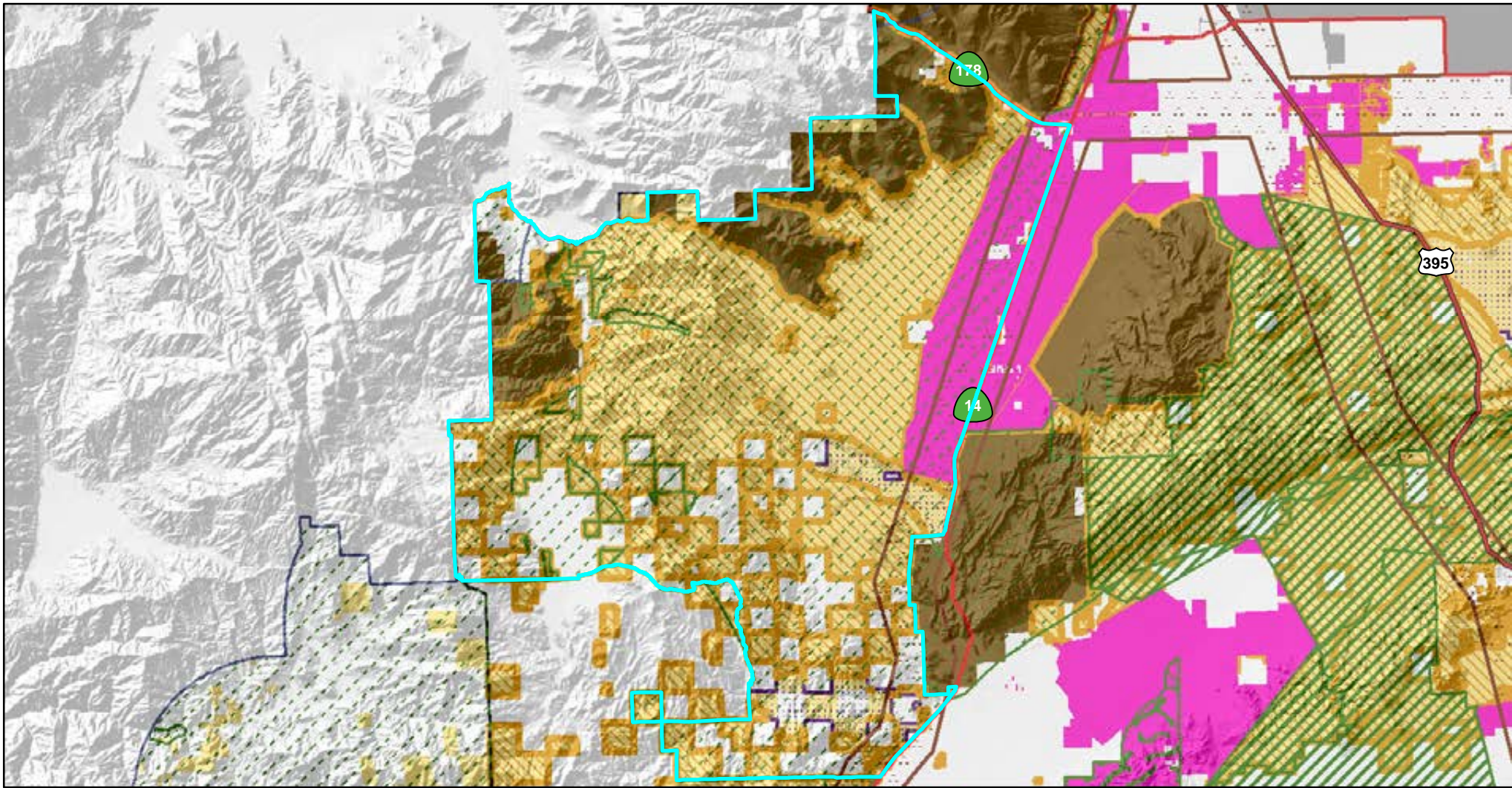
### Alternative 1

8/25/2015

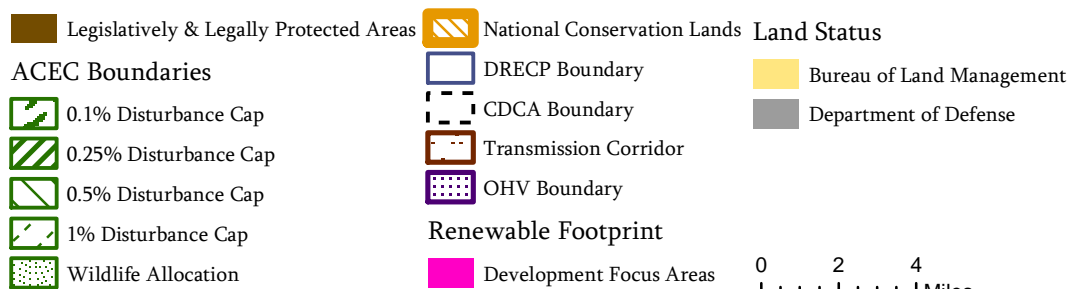
Draft Map Boundaries Subject to Change







## Conservation Footprint

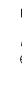


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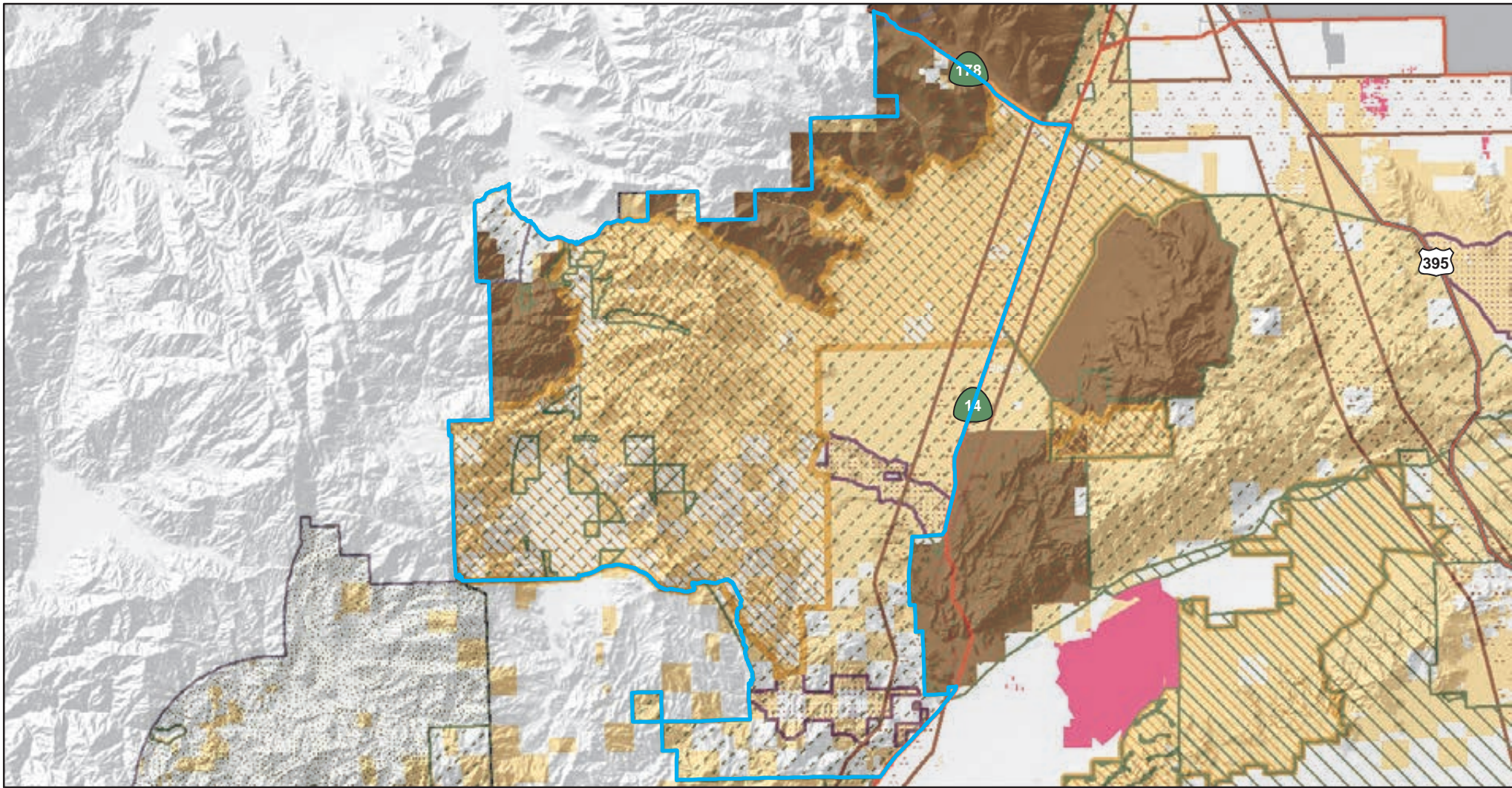
## Jawbone/Butterbrecht Alternative 2

8/26/2015

Draft Map Boundaries Subject to Change







## Conservation Footprint

- |   |                            |
|---|----------------------------|
| Legislatively & Legally Protected Areas | DRECP Boundary             |
| National Conservation Lands             | CDCA Boundary              |
| <b>ACEC Boundaries</b>                  | Transmission Corridor      |
| 0.1% Disturbance Cap                    | OHV Boundary               |
| 0.5% Disturbance Cap                    | <b>Renewable Footprint</b> |
| 1% Disturbance Cap                      | Development Focus Areas    |
| Wildlife Allocation                     |                            |

## Land Status

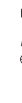
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| Bureau of Land Management |
| Department of Defense     |

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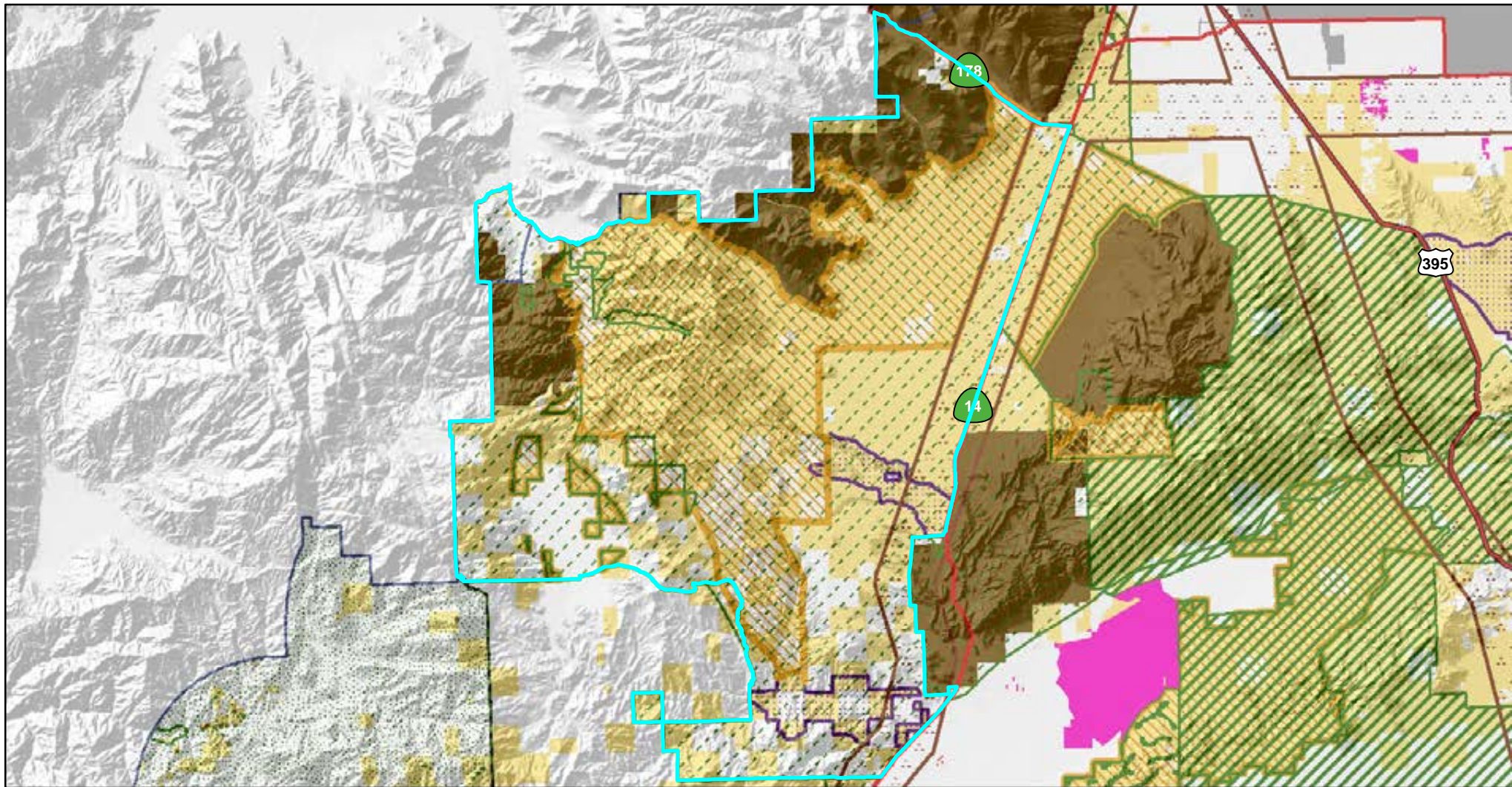
## Jawbone/Butterbredit Alternative 3

8/26/2015

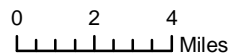
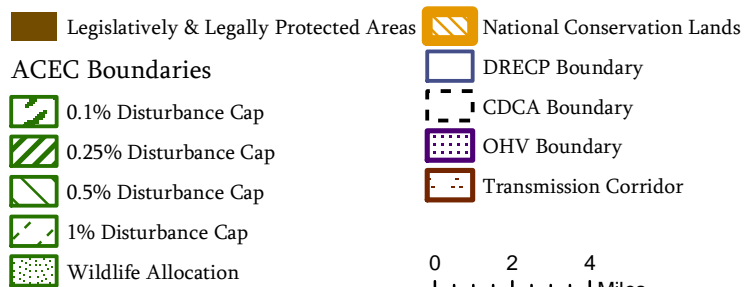
Draft Map Boundaries Subject to Change



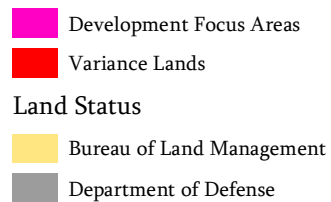




## Conservation Footprint



## Renewable Footprint



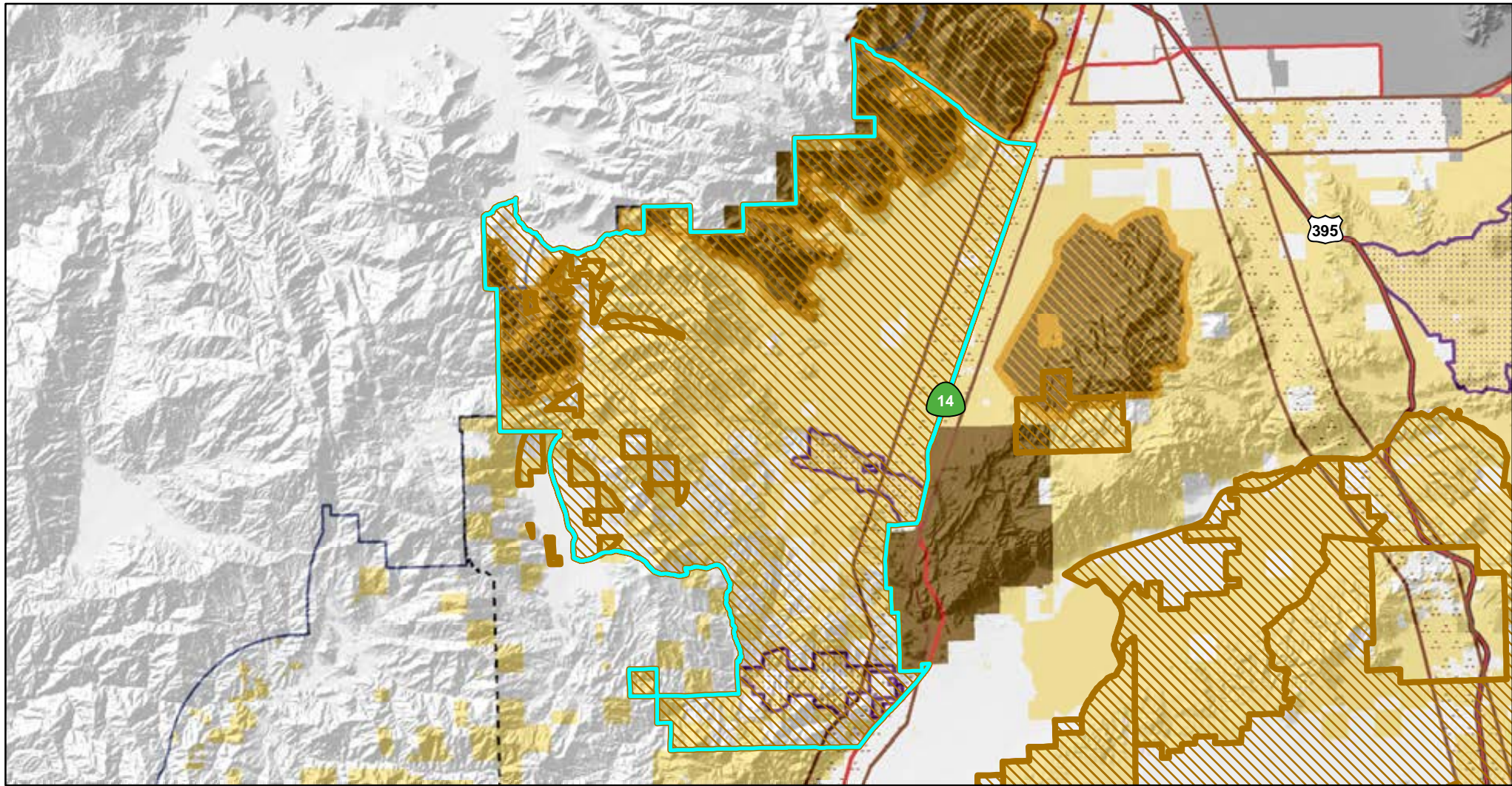
## Jawbone/Butterbreds Alternative 4

8/27/2015

Draft Map Boundaries Subject to Change







### Conservation Footprint

- |                       |   |
|-----------------------|---|
| Existing ACEC         | National Conservation Lands             |
| Transmission Corridor | OHV Boundary                            |
| CDCA Boundary         | Legislatively & Legally Protected Areas |
| DRECP Boundary        |   |

### Land Status

- |                           |                       |
|---------------------------|-----------------------|
| Bureau of Land Management | Department of Defense |
|---------------------------|-----------------------|

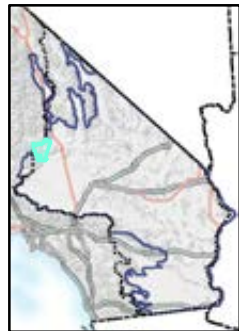
Jawbone/Butterbredt

No Action

9/15/2015

Draft Map Boundaries Subject to Change

0 7 14 Miles



### Kelso Creek Monkeyflower

**National Conservation Lands Ecoregion:** West Desert and Eastern Slopes

**Description/Location:**

The Kelso Creek Monkey Flower Conservation Area is completely encompassed by the Jawbone-Butterbrecht ACEC, located in the northwest corner of Jawbone-Butterbrecht.

**Nationally Significant Values:**

As this unit is completely encompassed by the Jawbone-Butterbrecht ACEC, please refer to that unit's management plan for a complete discussion of Nationally Significant Values that occur in this area.

**Special Designations/Management Plan/Date:** Established in the 2006 West Mojave Plan

**Relevance and Importance Criteria:** Regionally significant populations of a rare, sensitive plant, the Kelso Creek Monkey flower (*Mimulus shevockii*). Joshua tree woodland also occurs in the area.

**Recreation Area:** This unit overlaps with the Jawbone and Pacific Crest Trail SMRAs.

**Grazing Allotment:** This unit overlaps with the Kelso Creek and the Rudnick Common Allotments.

**Lands with Wilderness Characteristics:** This unit contains 246 acres of lands that would be managed to protect wilderness character under the preferred alternative. The CMAs for lands managed to protect wilderness character would also apply in those areas.

**Overarching Goals:** Protect biological values, including habitat quality, populations of sensitive species, sensitive vegetation communities, and landscape connectivity while providing for compatible public uses.

Where the CMAs in this Special Management Plan conflict from the CMAs included in Volume II of the Proposed LUPA and Final EIS, the more restrictive CMA would be applied (i.e. management that best supports resource conservation and limits impacts to the values for which the conservation unit was designated), unless otherwise specified.

If this area is included in the National Conservation Lands, the BLM will manage this area to protect the Nationally Significant Values above. Appropriate multiple uses will be allowed, consistent with this Special Unit Management Plan and the CMAs in Volume II. If an activity is not specifically covered by the CMAs, it will be allowed if it is consistent with the Nationally Significant Values, but prohibited if the uses conflict with those values.



**Designation and Acreage by Alternative:**

Alternative	BLM Acres of NLCS within ACEC or Wildlife Allocation	BLM Acres within ACEC	BLM Acres within Wildlife Allocation	ACEC Disturbance Cap
No Action	0	1,900	0	NA
Preferred Alternative	1,600	1,900	0	1%
1	1,600	1,900	0	1%
2	1,900	1,900	0	1%
3	1,600	1,900	0	1%
4	1,600	1,900	0	1%

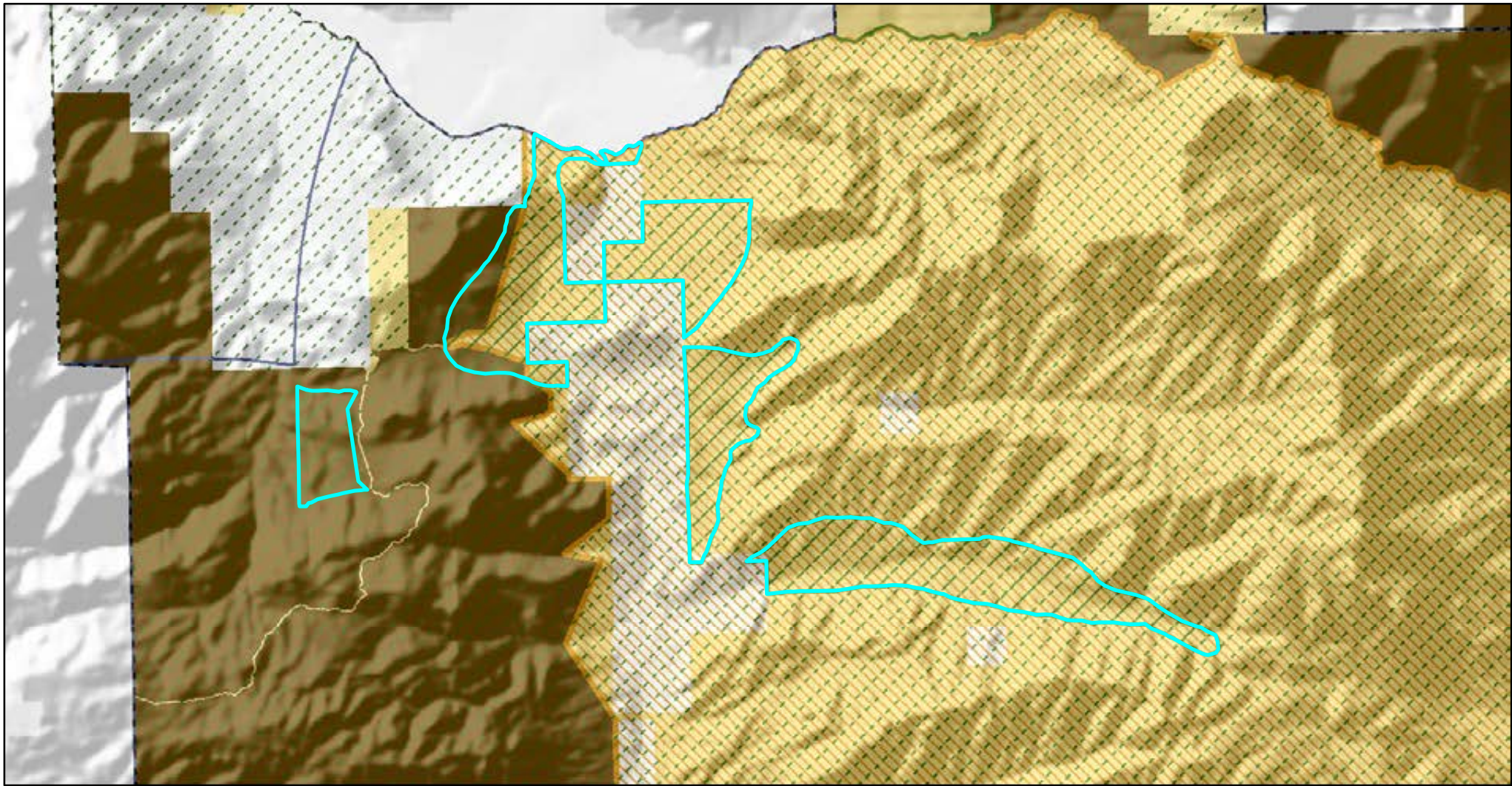
- Acreage values are for BLM managed land

Objectives (desired future condition)/Allowable Uses/Management Actions	Resource
<p>Objective : Soils exhibit functional biological and physical characteristics that are appropriate to soil type, climate, and land form.</p> <p>Allocation: Restrict construction activities when soils are susceptible to heightened risk of erosion.</p> <p>Management Actions: Ensure soils to meet or exceed the Soil Standard of Rangeland Health, as indicated by ground or plant cover, diversity of plant species, minimal evidence of accelerated wind and water erosion and the presence of biological soil crusts where appropriate.</p> <p>Objective: Protect the hydrologic flow regime in all of the riparian areas</p> <p>Allocation: Existing valid State water rights</p> <p>Management actions:</p> <ul style="list-style-type: none"> <li>• Manage riparian/wetland vegetation, structure, and diversity and stream channels and floodplains so that they are function and achieving physical and biological objectives.</li> <li>• Monitor Proper Functioning Condition and restore natural flow stream morphology when needed</li> <li>• Monitor water uses</li> </ul>	Soil, water, air
<p>Objective: Manage the CA in a manner that would insure the best long-term protection for the Kelso Creek Monkeyflower and conserve Joshua tree woodland in the area.</p> <p>Management Actions:</p> <ul style="list-style-type: none"> <li>• Continue to monitor and protect viable populations of this sensitive species.</li> <li>• Monitor Joshua tree population trends, remove/prevent threats, and remediate impacts when they occur.</li> <li>•</li> </ul>	Vegetation (incl. special status species)

<p>Objective: Manage for the protection of sensitive wildlife species</p> <p>Special Status Species:  American Badger (<i>Taxidea taxus</i>) State Special Animal  Desert Tortoise (<i>Gopherus agassizii</i>) Federally and State threatened  Mohave ground squirrel (<i>Spermophilus mohavensis</i>) State threatened  Golden Eagle (<i>Aquila chrysaetos</i>) BLM sensitive, Bald and Golden Eagle P. Act  Prairie Falcon (<i>Falco mexicanus</i>) USFWS Bird of Conservation Concern  Burrowing Owl (<i>Athene cunicularia</i>) BLM Sensitive  Le Conte's Thrasher (<i>Toxostoma lecontei</i>) State Species of Special Concern  Loggerhead Shrike (<i>Lanius ludovicianus</i>) BLM Sensitive</p> <p>Management Action: Survey for BLM sensitive species, identify current occupied and potential habitat, identify and implement actions to conserve and improve habitat conditions</p>	<p>Fish and Wildlife (incl. special status species)</p>
<p>Objective: Provide for the use of the designated travel system to provide access to the public lands while protecting the significant values of the area.</p> <p>Allowable Uses: Motorized, non-motorized, non-mechanized, etc. including casual as well as permitted use.</p> <p>Management Action: All vehicle traffic limited to designated roads and trails</p> <p>Management Action: Identify access routes which minimize impact to resources. Limit vehicles to open designated routes by signing, fencing, and barriers as funding allows.</p> <p>Management Action: Designated routes will be signed and managed in accordance to the local Travel Management Plan, as funding allows. Unauthorized routes will be rehabilitated/restored as funding allows.</p>	<p>Trails and Travel Management</p>
<p>Objective: Provide dispersed opportunities for enjoyment of the ACEC attributes</p> <p>Allowable Uses: All forms of casual and permitted recreational uses are allowed including but not limited to dispersed camping, hunting, photography, picnicking, climbing, rock hounding, astronomy/star gazing, nature study and viewing.</p> <p>Management Action: Increase information to public, maintain signs, vehicle barriers and kiosks, and work with volunteers to clean-up parking and camping areas on a regular basis.</p> <p>Management Action: Increase compliance with routes of travel and/or the travel management plan</p>	<p>Recreation</p>
<p>Objective: Consolidate through tenure adjustment.</p> <p>Management Action: Acquire inholdings, edgeholdings and other interests from willing sellers.</p>	<p>Land Tenure</p>
<p>Objective: Protection of the Kelso Creek Monkeyflower populations</p> <p>Allowable Uses: Right-of-way exclusion area</p>	<p>Rights of Way</p>



<p>Objective: Maintain integrity of large blocks of habitat</p> <p>Allocations:</p> <ul style="list-style-type: none"> <li>• Not an allowable use. Renewable energy development is not compatible with NLCS and ACEC unit values and criteria</li> <li>• ACECs are closed to geothermal leasing and development unless they overlap with a DFA where geothermal is allowed. Where there is overlap, ACECs are open to geothermal leasing with an NSO stipulation.</li> </ul>	Renewable Energy
<p>Objective: Protect Kelso Creek Monkeyflower from mining activities</p> <p>Management Action: Include stipulations to protect the KC Monkeyflower including not disturbing occupied habitat</p>	<p>Locatable Minerals</p> <p>Mineral Materials</p> <p>Non-energy Leaseables</p>
<p>Objective: Provide for livestock grazing opportunities in a manner that limits impacts on other resources</p> <p>Allocation: Kelso Peak and Rudnick Common Allotments. Adjust livestock use where monitoring data indicate changes are necessary to meet resource objectives.</p> <p>Management Actions: Manage grazing authorizations to meet or exceed the Standards for Rangeland Health.</p>	Livestock grazing

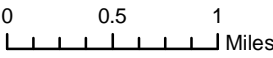


Conservation Footprint

- Legislatively & Legally Protected Areas
- National Conservation Lands
- DRECP Boundary
- CDCA Boundary
- Bureau of Land Management

ACEC Boundaries

- 1% Disturbance Cap



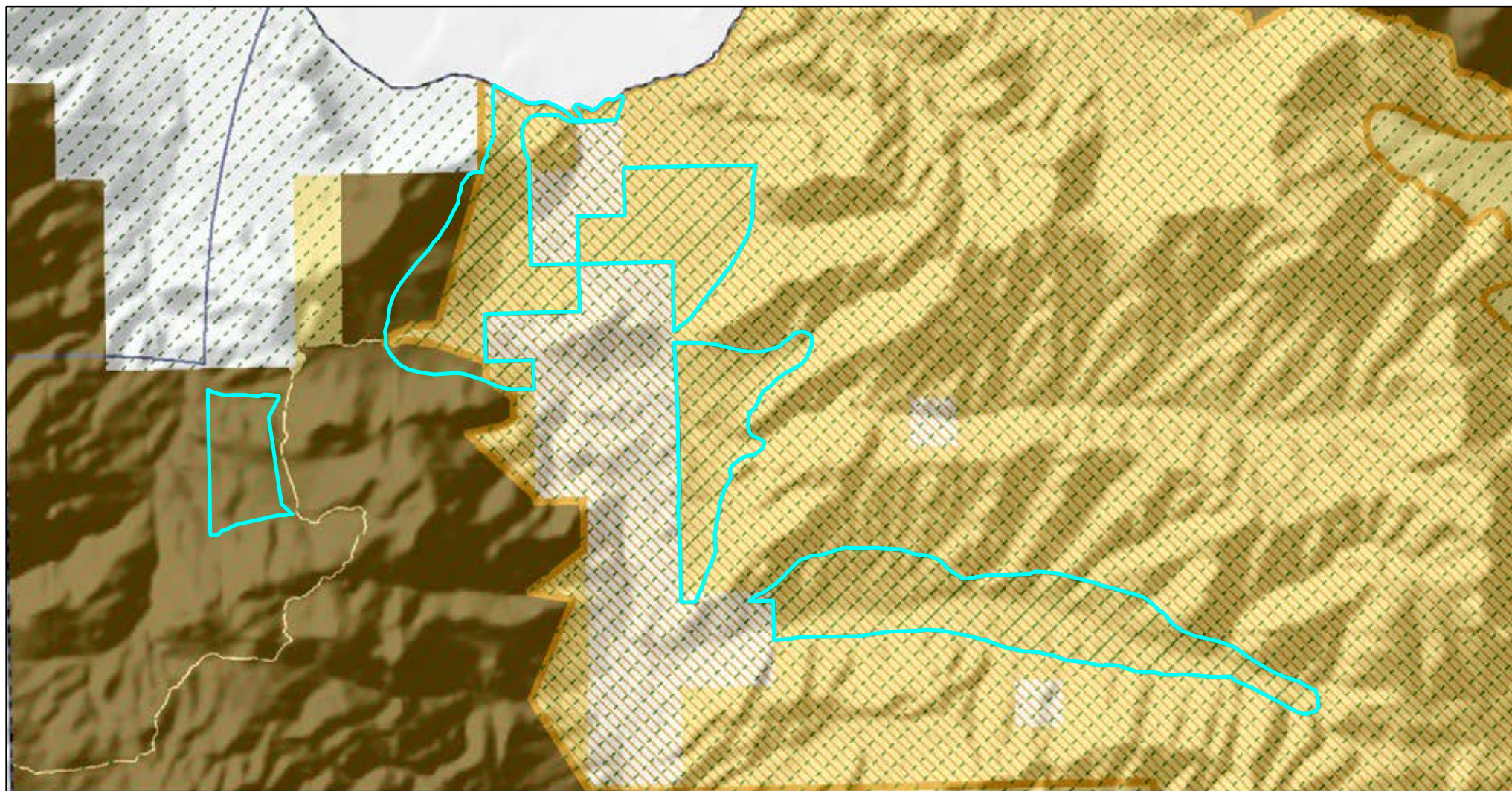
Kelso Creek Monkeyflower

6/25/2015







Draft Map Boundaries Subject to Change







### Conservation Footprint

-  Legislatively & Legally Protected Areas
-  National Conservation Lands
-  Bureau of Land Management
-  DRECP Boundary
-  CDCA Boundary
-  1% Disturbance Cap

0 0.5 1 Miles

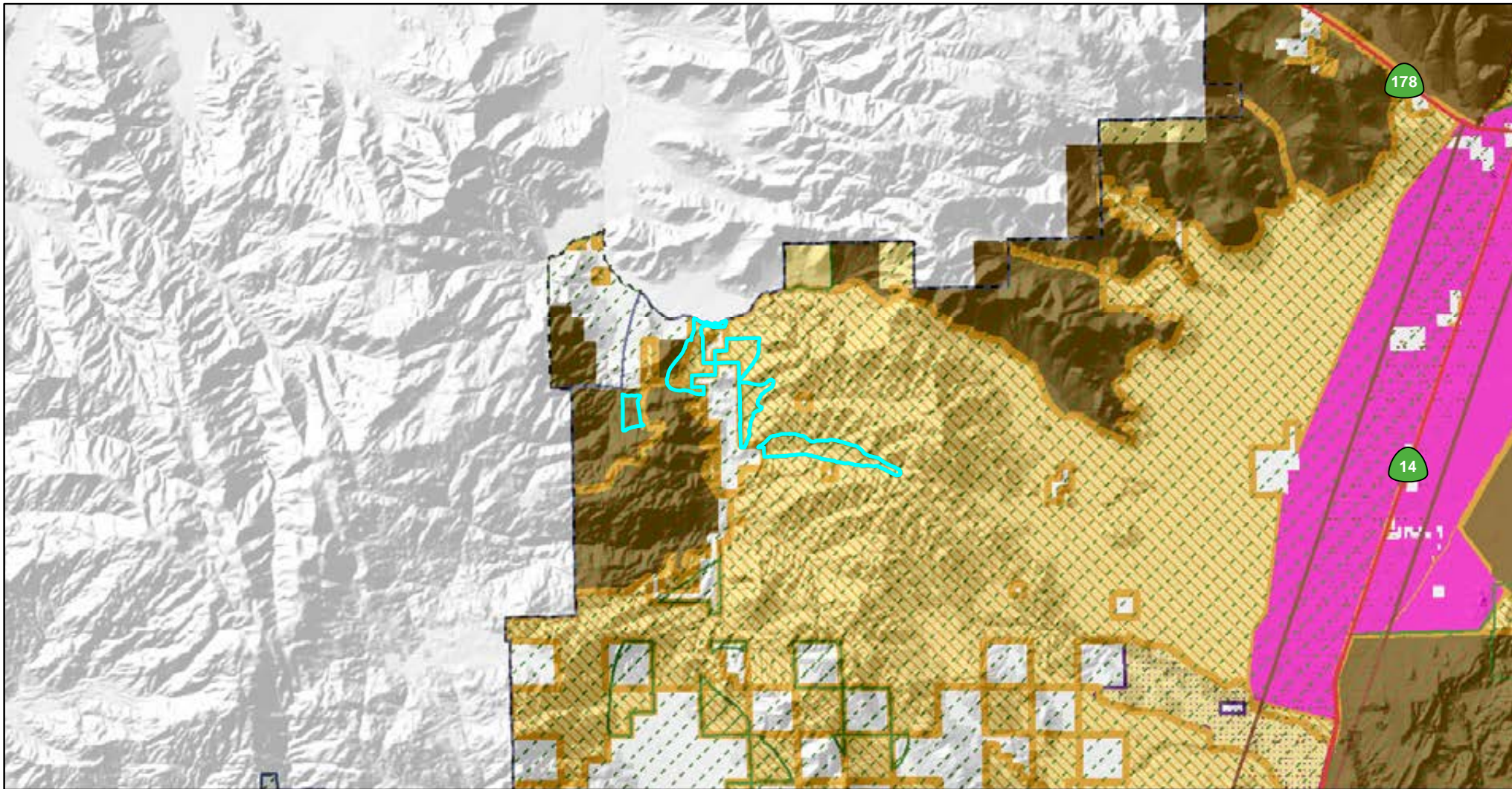
## Kelso Creek Monkeyflower Alternative 1

8/25/2015

Draft Map Boundaries Subject to Change







### Conservation Footprint

Legislatively & Legally Protected Areas

National Conservation Lands

ACEC Boundaries

1% Disturbance Cap

DRECP Boundary

CDCA Boundary

Transmission Corridor

OHV Boundary

Renewable Footprint

Development Focus Areas

### Land Status

Bureau of Land Management

Department of Defense

0 2 4 Miles

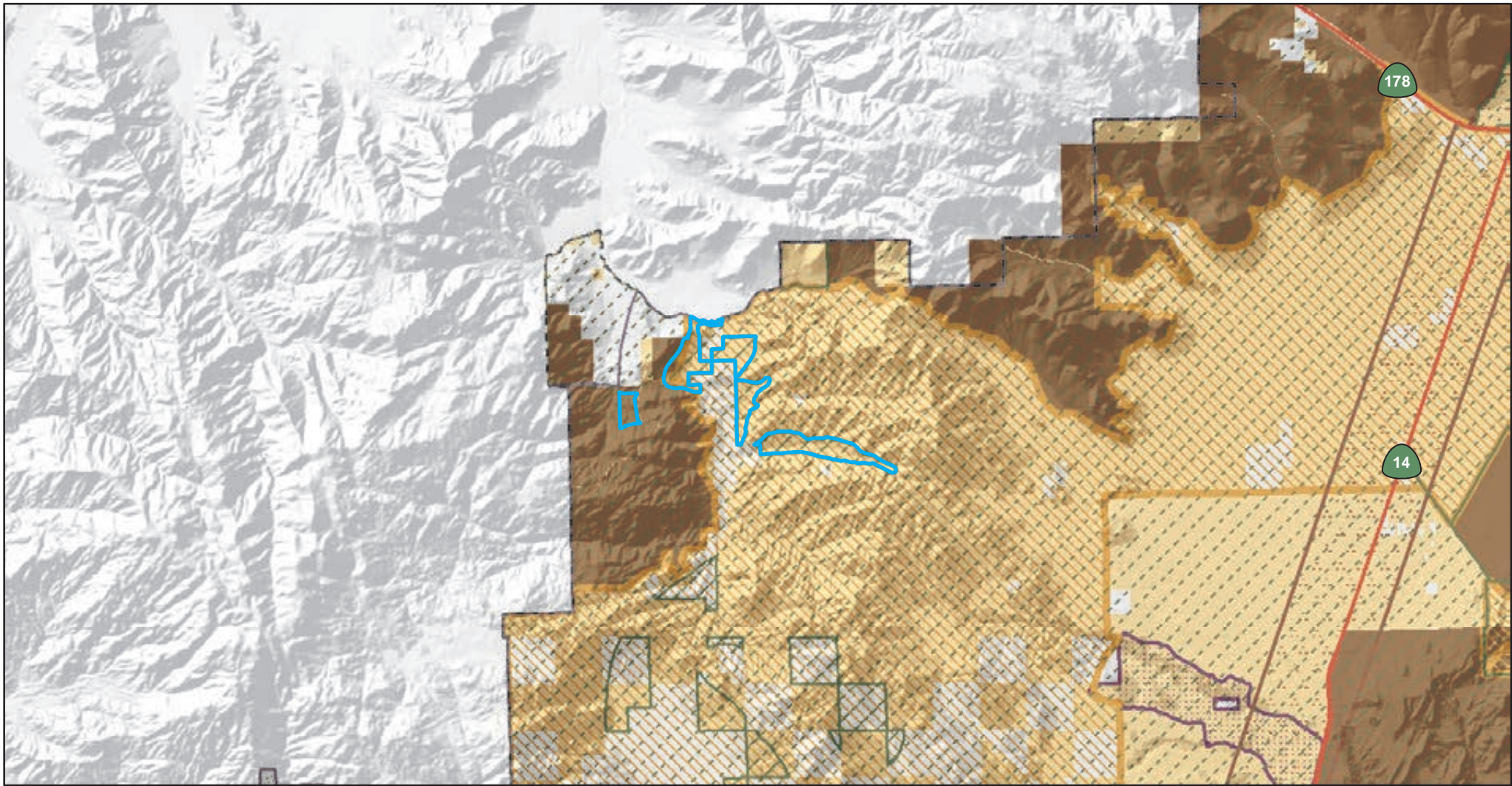
## Kelso Creek Monkeyflower Alternative 2

8/26/2015

Draft Map Boundaries Subject to Change







### Conservation Footprint

Legislatively & Legally Protected Areas

National Conservation Lands

### ACEC Boundaries

1% Disturbance Cap

Wildlife Allocation

DRECP Boundary

CDCA Boundary

Transmission Corridor

OHV Boundary

### Land Status

Bureau of Land Management

Department of Defense

## Kelso Creek Monkeyflower Alternative 3

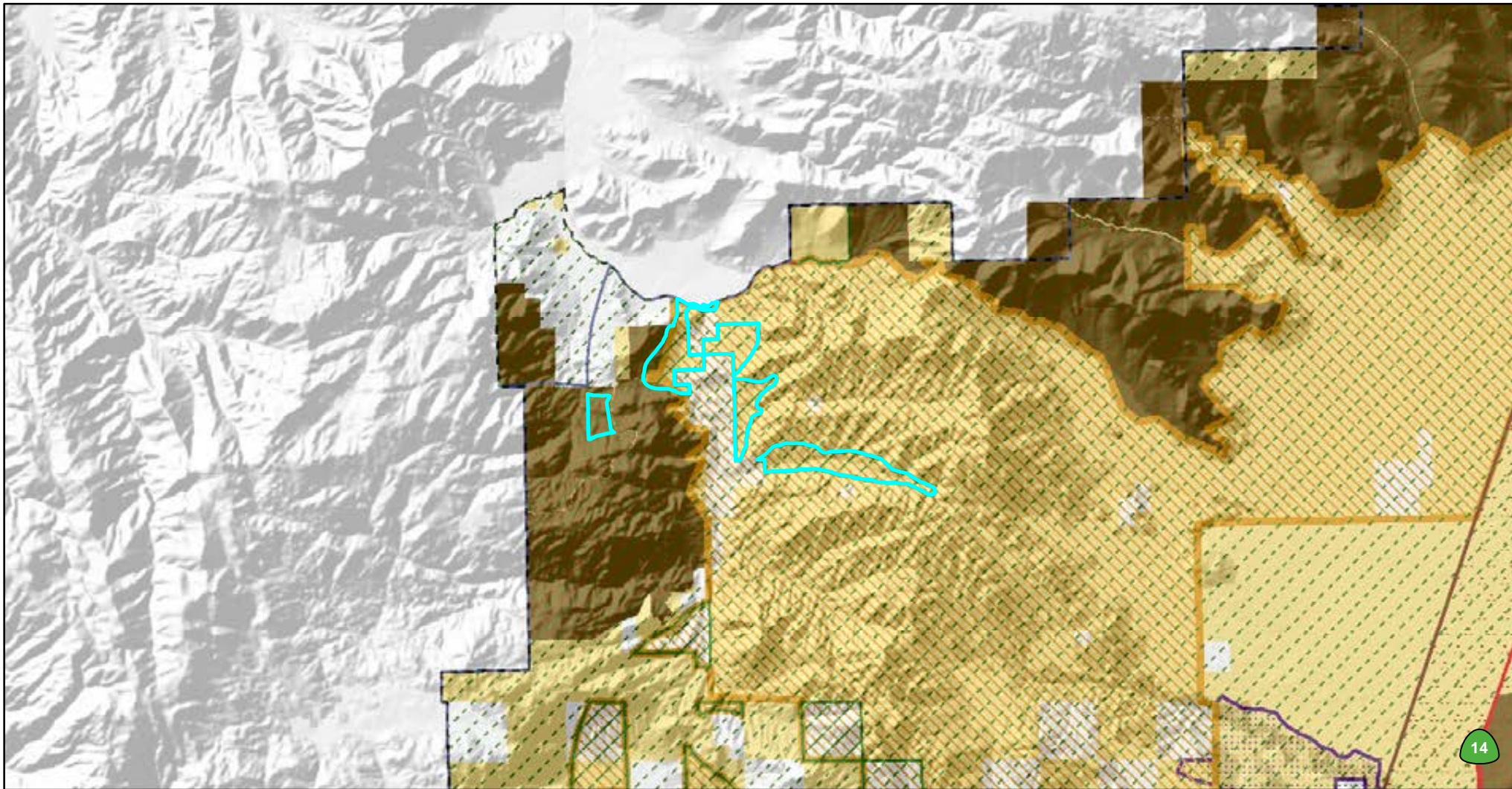
8/26/2015

Draft Map Boundaries Subject to Change



0 2 4  
Miles






### Conservation Footprint

 National Conservation Lands


 Legislatively & Legally Protected Areas

### ACEC Boundaries

 1% Disturbance Cap

 DRECP Boundary

 CDCA Boundary


 Transmission Corridor

 OHV Boundary

### Renewable Footprint

 Variance Lands

### Land Status

 Bureau of Land Management

## Kelso Creek Monkeyflower Alternative 4

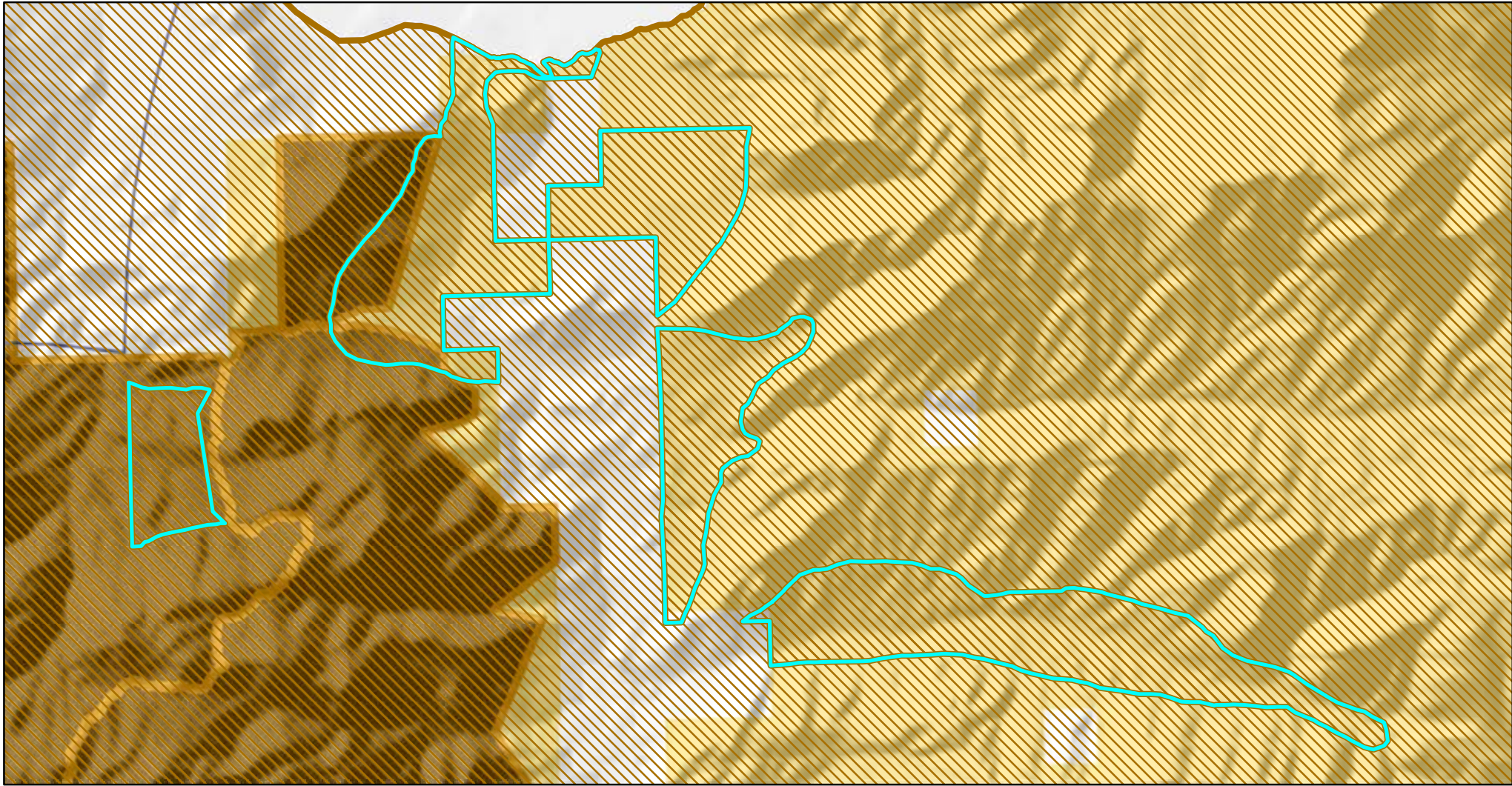
8/27/2015

Draft Map Boundaries Subject to Change









0 1 2  
Miles



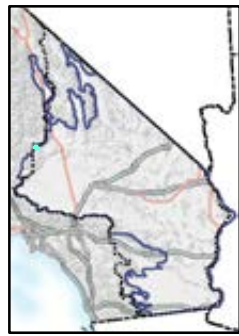
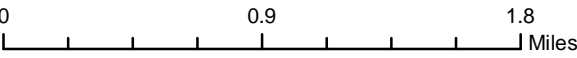


Conservation Footprint

- |  |   |   |
|--|---|---|
|  Existing ACEC  |  National Conservation Lands             | <b>Land Status</b>  |
|  CDCA Boundary  |  Legislatively & Legally Protected Areas |  Bureau of Land Management |
|  DRECP Boundary |   |   |

Kelso Creek Monkeyflower  
No Action  
9/15/2015

Draft Map Boundaries Subject to Change



### **Last Chance Canyon**

**National Conservation Lands Ecoregion:** Basin and Range, West Desert and Eastern Slopes

**Description/Location:** Located in the western portion of the El Paso Mountains, on the southwest slopes of Black Mountain. The mountain range lies to the east of the Sierra Nevada in northeastern Kern County.

**Nationally Significant Values:**

**Cultural:** As much as 10,000 years of human occupation is represented in the assemblage in Last Chance Canyon. Ethnographic interviews during the CDCA Plan revealed Black Mountain as an area of religious and cultural significance to the Kawaiisu and related contemporary Tribal groups. A larger National Register Archaeological District surrounds the currently designated boundary, verifying the national cultural significance of this place. A complete cultural resource inventory has not been conducted within the boundary; the potential to increase the national cultural significance of this area is high. Historic cabins and mining features located within the boundary may be eligible for listing on the NRHP, in part as examples of vernacular architecture and mining development of the West.

**Special Designations/Management Plan/Date:** Listed on the National Register of Historic Places, 1971; Designated ACEC in California Desert Conservation Area Plan, 1980; Last Chance Canyon Cultural Resources Management Plan, 1980; Last Chance Canyon ACEC Management Plan 09/1982 (CA-06-ACEC-21); CDCA Plan Amendment boundary adjustment 1984; West Mojave Plan Amendment route designations and Mohave Ground Squirrel Conservation Area 01/2005 (D.1.15)

**Relevance and Importance Criteria:** This area was designated in recognition of its important cultural resources. It is situated within the El Paso Mountains, surrounding the base of Black Mountain. Site types found within the district and the ACEC include: open air campsites, extensive house ring complexes, rock shelters, lithic reduction locales, cryptocrystalline quarries, milling complexes, and petroglyphs. Archaeological materials represent aboriginal occupation of the area from the Late Pleistocene to the historic period. Anglo historic sites include mining sites and cabins dating from the late 1800s to the present. It is also included in the Mohave Ground Squirrel Conservation Area and contains desert tortoise habitat. The Red Rock Poppy and Red Rock tarplant may occur in this area.

**Recreation Area:** This unit overlaps with El Paso/Rand SRMA.

**Grazing Allotment:** This unit overlaps with Cantil Common Allotment

**Overarching Goals:** To protect and enhance the significant cultural resources while providing compatible recreational opportunities.

Where the CMAs in this Special Management Plan conflict from the CMAs included in Volume II of the Proposed LUPA and Final EIS, the more restrictive CMA would be applied (i.e. management that best supports resource conservation and limits impacts to the values for which the conservation unit was designated), unless otherwise specified.

If this area is included in the National Conservation Lands, the BLM will manage this area to protect the Nationally Significant Values above. Appropriate multiple uses will be allowed, consistent with this Special Unit Management Plan and the CMAs in Volume II. If an activity is not specifically covered by the CMAs, it



will be allowed if it is consistent with the Nationally Significant Values, but prohibited if the uses conflict with those values.

**Designation and Acreage by Alternative:**

Alternative	BLM Acres of NLCS within ACEC or Wildlife Allocation	BLM Acres within ACEC	BLM Acres within Wildlife Allocation	ACEC Disturbance Cap
No Action	0	5,100	0	NA
Preferred Alternative	3,479	5,135	0	1%
1	3,400	5,100	0	1%
2	5,100	5,100	0	1%
3	3,500	5,100	0	1%
4	3,500	5,100	0	1%

**\* Acreage values are for BLM managed lands**

Objectives (desired future condition)/Allowable Uses/Management Actions	Resource
<p>Objective: Soils exhibit functional biological and physical characteristics that are appropriate to soil type, climate, and land form.</p> <p>Allowable Uses: Restrict construction activities when soils are susceptible to heightened risk of erosion.</p> <p>Management Actions: Ensure soils to meet or exceed the Soil Standard of Rangeland Health, as indicated by ground or plant cover, diversity of plant species, minimal evidence of accelerated wind and water erosion and the presence of biological soil crusts where appropriate.</p>	Soil, water, air
<p>Objective: Maintain intact vegetation communities and prevent fragmentation.</p> <p>Management Action: Remove invasive plants, rehabilitate/revegetate disturbed areas</p> <p>Management Action: Monitor to ensure diverse vegetation with Rangeland Health Standards</p> <p>Objective: Protect the following special status plants by ensuring habitat is in a stable or improving condition to keep the species from becoming listed under the ESA.</p>	Vegetation (incl. special status species)

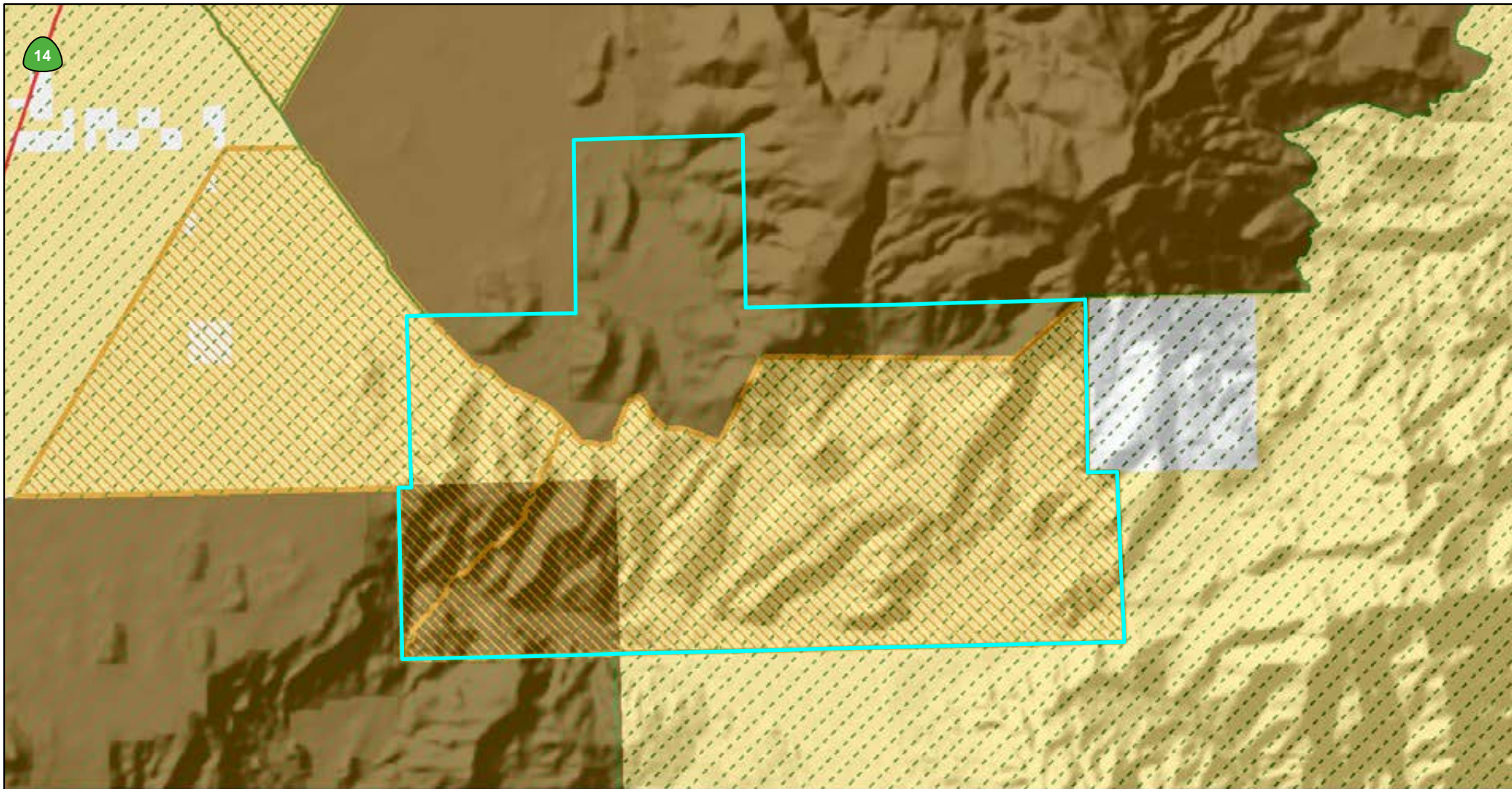
<p>Management Action: Protect and monitor populations of special status plants</p> <p>Red Rock Poppy (<i>Eschscholzia minutiflora</i> ssp. <i>Twisselmannii</i>)</p> <p>Red Rock tarplant (<i>Deinandra arida</i>)</p> <p>Management Action: Prohibit collection of plants except by permit</p>	
<p>Objective: Protect and enhance habitat to maintain stable or increasing population trends of special status species to ensure persistence:</p> <p>Management Action: Designate Species below as priority species for management and protection.</p> <p>Le Conte's Thrasher (<i>Toxostoma lecontei</i>) State Species of Special Concern</p> <p>Loggerhead Shrike (<i>Lanius ludovicianus</i>) BLM Sensitive</p> <p>American Badger (<i>Taxidea taxus</i>) State Special Animal</p> <p>Desert Tortoise (<i>Gopherus agassizii</i>) Federally and State threatened</p> <p>Mohave ground squirrel (<i>Spermophilus mohavensis</i>) State threatened</p> <p>Townsend's big-eared bat (<i>Corynorhinus townsendii</i>) BLM sensitive</p> <p>Pallid bat (<i>Antrozous pallidus</i>) BLM sensitive</p> <p>Spotted bat (<i>Euderma maculatum</i>) BLM sensitive</p> <p>Western Mastiff bat (<i>Eumops perotis californicus</i>) BLM sensitive</p> <p>Golden Eagle (<i>Aquila chrysaetos</i>) BLM sensitive, Bald and Golden Eagle P. Act</p> <p>Prairie Falcon (<i>Falco mexicanus</i>) USFWS Bird of Conservation Concern</p> <p>Burrowing Owl (<i>Athene cunicularia</i>) BLM Sensitive</p> <p>Long-eared owl (<i>Asio otus</i>) State Species of Special Concern</p> <p>Objective: Increase Upland game bird habitat</p> <p>Allowable Use: Maintenance of existing developed springs and guzzlers</p> <p>Management Action: Monitor and maintain guzzlers on a continuing basis with the help of Quail Unlimited.</p>	<p>Fish and Wildlife (incl. special status species)</p>
<p>See programmatic ACEC cultural resources objective and action items in general cultural resources rules.</p> <p>Maintain current prescriptions of the Cultural Resource Management Plan.</p> <p>Objective: Protect cultural resources of the Last Chance Canyon ACEC for scientific use and public interpretation</p> <p>Allowable Use: Interpretation, Research by qualified cultural resource specialists</p> <p>Management Action:</p> <p>Develop regular monitoring, recordation, and survey program to fully identify</p>	<p>Cultural Resources</p>



<p>resources within the ACEC</p> <p>Conduct salvage excavation of specific sites</p> <p>Install interpretive or closure signs on a site specific basis</p> <p>Reconcile ACEC boundary with National Register District boundary</p> <p>Objective: Allow for multiple uses while minimizing impacts to cultural resources within the ACEC.</p> <p>Management Action:</p> <p>Prohibit camping near sites</p> <p>Designate route system which minimizes impacts to sites</p> <p>Limit mining in sensitive areas</p>	
<p>Objective: Maintain scenic values of unique geological formations and canyons</p> <p>Management Action: New proposals will need to be analyzed at on a case-by-case basis and cumulatively, to assess whether they can be accommodated within the area and its management goals.</p>	Visual Resources
<p>Objective: Limit Motorized vehicle impacts</p> <p>Allowable Uses: Motorized, non-motorized, non-mechanized, including casual as well as permitted use.</p> <p>Management Action: Designated routes will be signed and managed in accordance to the local Travel Management Plan, as funding allows. Unauthorized routes will be rehabilitated/restored as funding allows.</p>	Trails and Travel Management
<p>Objective: Provide recreation opportunities that are consistent with resource protection</p> <p>Objective: Provide dispersed opportunities for enjoyment of the ACEC attributes</p> <p>Allowable Uses: All forms of casual and permitted recreational uses are allowed including but not limited to dispersed camping, hunting, photography, picnicking, climbing, rock hounding, astronomy/star gazing, nature study and viewing.</p> <p>Management Action:</p> <p>Maintain signs, vehicle barriers and kiosks</p> <p>Improve compliance with resource protections.</p>	Recreation
<p>Objective: Consolidate through tenure adjustment.</p> <p>Management Action: Acquire inholdings, edgeholdings and other interests from willing sellers.</p>	Land Tenure

<p>Objective: Protect resource values of the ACEC</p> <p>Management Action: Land use authorization proposals (new, renewal, and amendment) will be analyzed on a case-by-case basis to assess whether they are compatible with the ACEC and its management goals.</p> <p>Management Action 2: Maintain integrity of National Register District and limit fragmentation of landscape level values</p>	Rights of Way
<p>Objective: No development</p> <p>Allowable Uses: Not an allowable use. Renewable energy development is not compatible with NLCS and ACEC unit values and criteria</p> <p>ACECs are closed to geothermal leasing and development unless they overlap with a DFA where geothermal is allowed. Where there is overlap, ACECs are open to geothermal leasing with an NSO stipulation.</p>	Renewable Energy
<p>Objective: Maintain Use Classification of C and L of CDCA Plan for mining claims</p> <p>Allowable uses: Mining with approved plan of operations</p> <p>New proposals will need to be analyzed at on a case-by-case basis and cumulatively, to assess whether they can be accommodated within the area and its management goals.</p>	<p>Locatable Minerals</p> <p>Mineral Materials</p> <p>Non-energy Leaseables</p>
<p>Objective: Provide for livestock grazing opportunities in a manner that limits impacts on other resources</p> <p>Allowable Uses: This ACEC is part of the Cantil Common grazing allotment. Adjust livestock use where monitoring data indicate changes are necessary to meet resource objectives.</p> <p>Management Actions: Manage grazing authorizations to meet or exceed the Standards for Rangeland Health.</p>	Livestock grazing



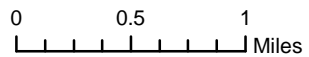


### Conservation Footprint

- Legislatively & Legally Protected Areas
- National Conservation Lands
- DRECP Boundary
- CDCA Boundary
- Bureau of Land Management

### ACEC Boundaries

- 1% Disturbance Cap



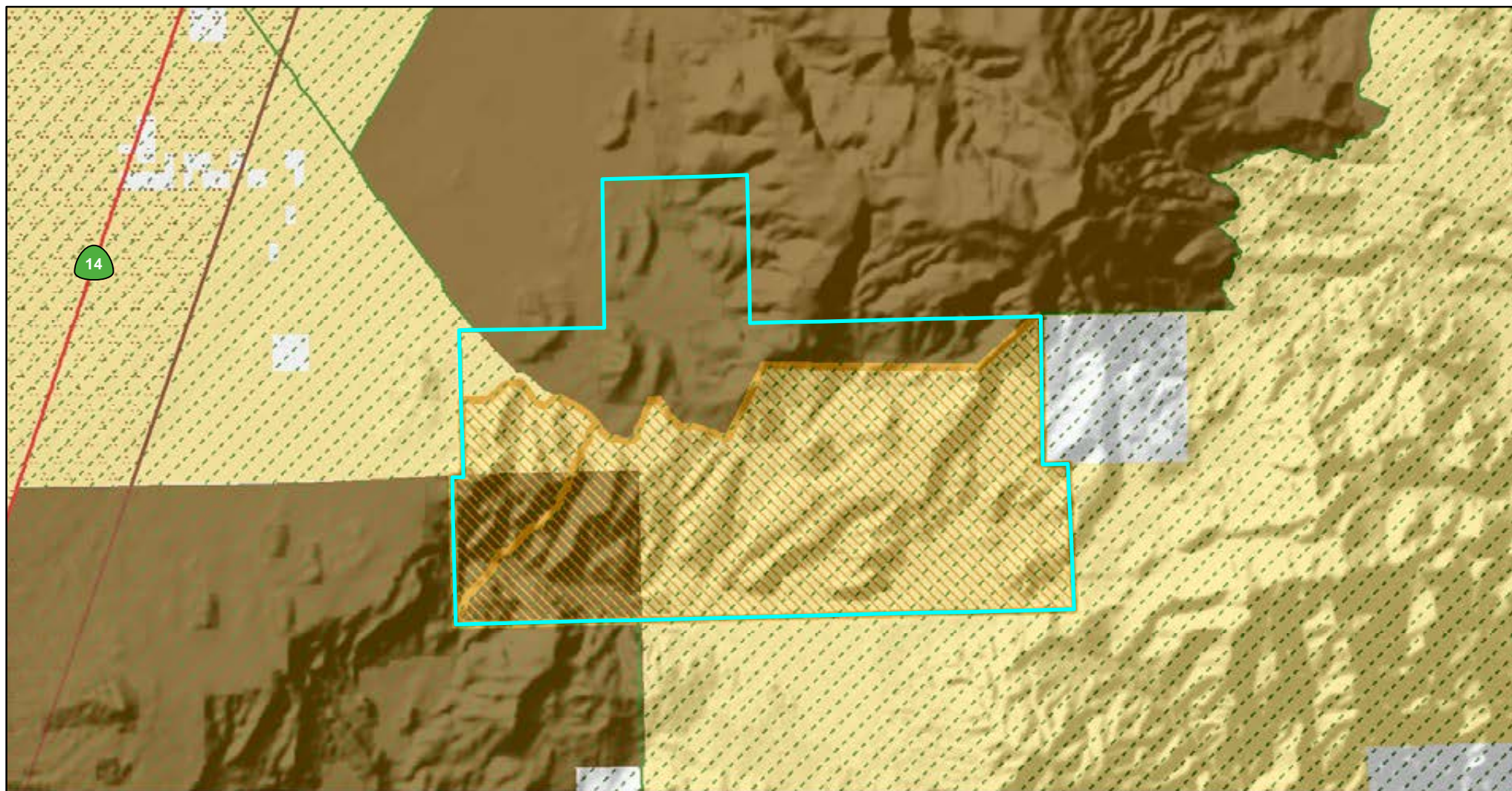
## Last Chance Canyon

6/24/2015

Draft Map Boundaries Subject to Change







### Conservation Footprint

Legislatively & Legally Protected Areas

National Conservation Lands

ACEC Boundaries

1% Disturbance Cap

DRECP Boundary

CDCA Boundary

Transmission Corridor

Land Status

Bureau of Land Management

0 1 2 Miles

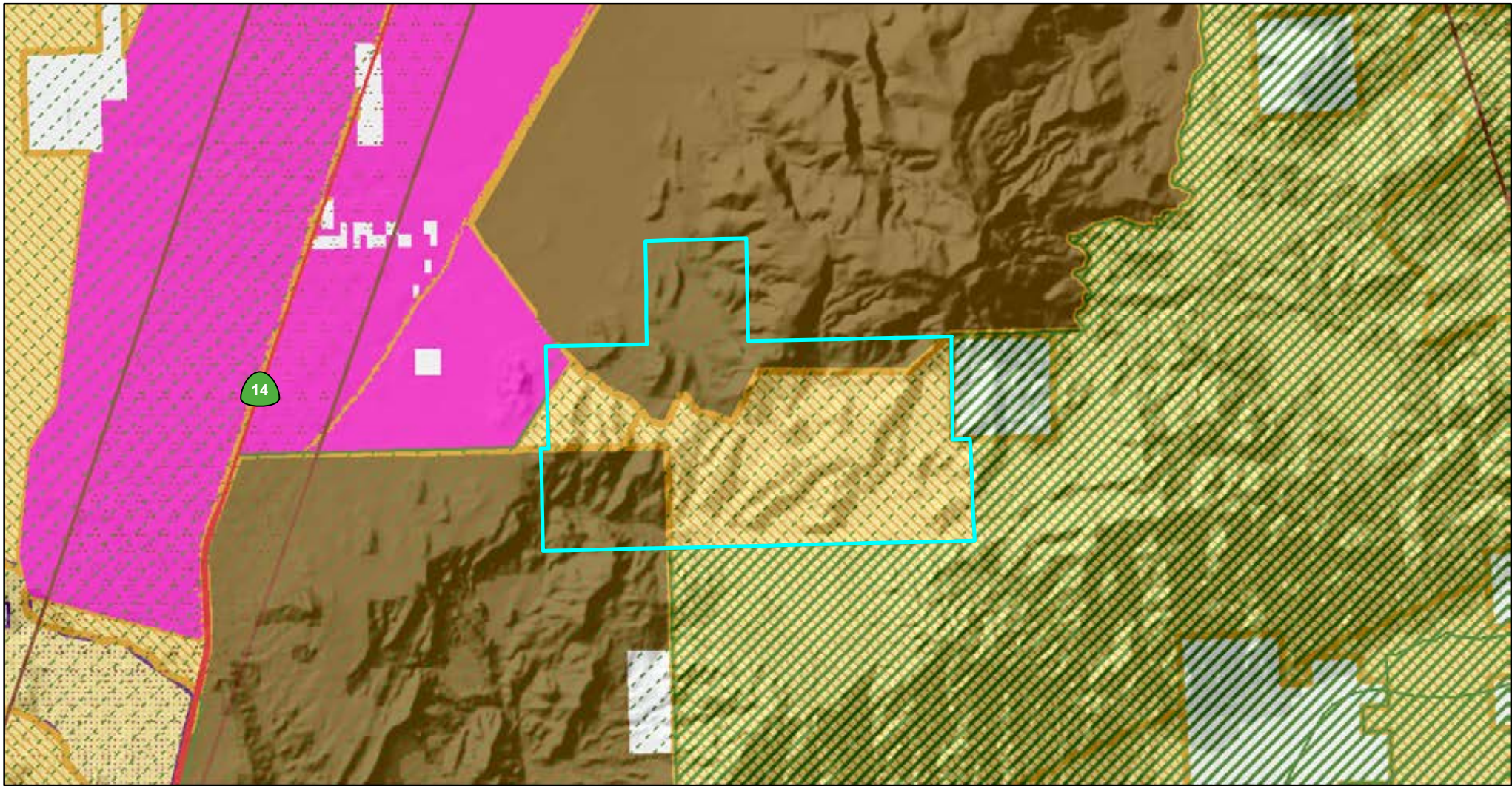
## Last Chance Canyon Alternative 1

8/25/2015


Draft Map Boundaries Subject to Change










### Conservation Footprint

 Legislatively & Legally Protected Areas

 National Conservation Lands


### ACEC Boundaries

 0.25% Disturbance Cap

 1% Disturbance Cap


 DRECP Boundary

 CDCA Boundary


 Transmission Corridor

 OHV Boundary

### Renewable Footprint

 Development Focus Areas

### Land Status

 Bureau of Land Management

0 1 2  
Miles

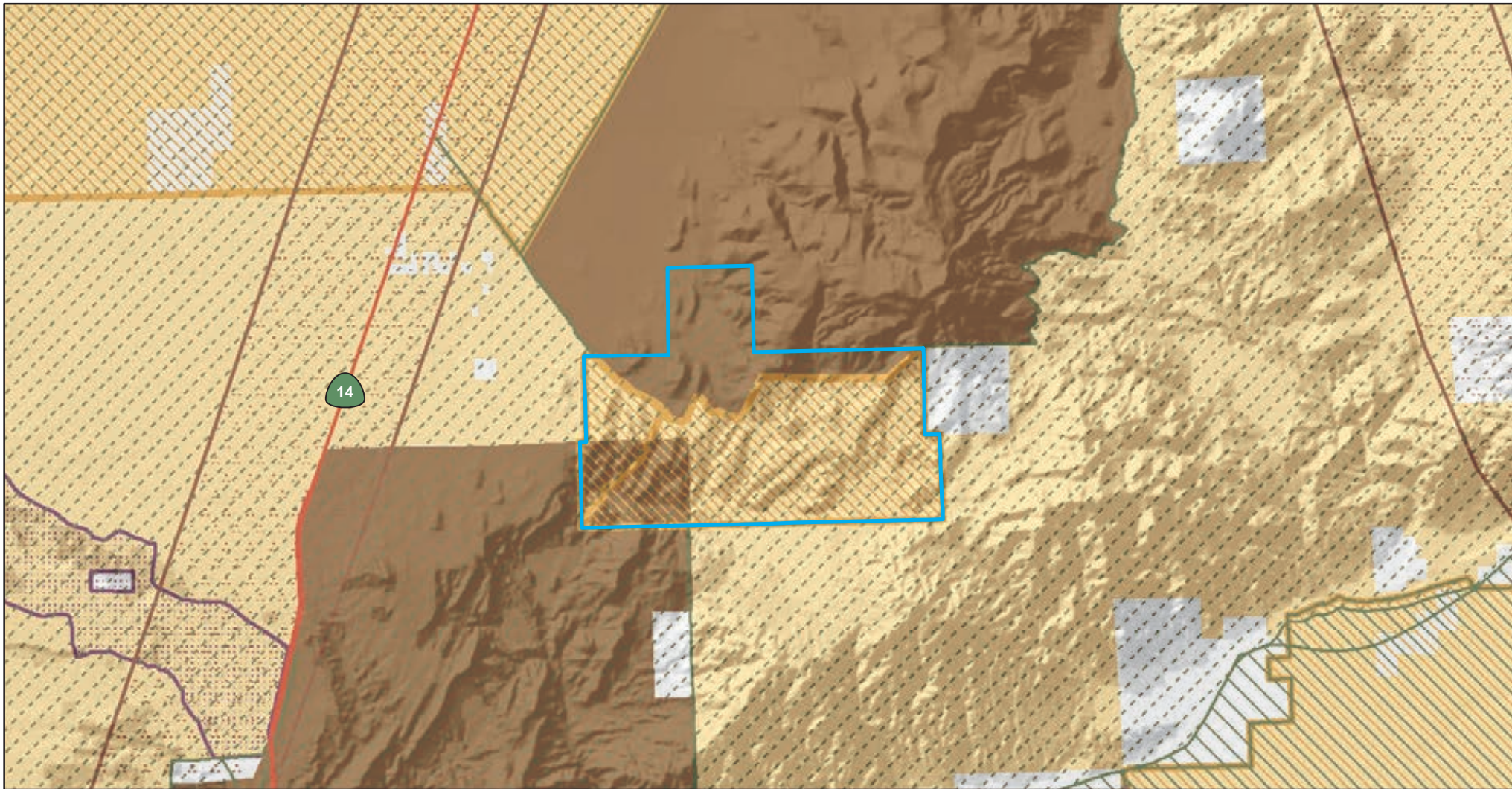
## Last Chance Canyon Alternative 2

8/26/2015

Draft Map Boundaries Subject to Change







### Conservation Footprint

Legislatively & Legally Protected Areas

National Conservation Lands

### ACEC Boundaries

0.5% Disturbance Cap

1% Disturbance Cap

DRECP Boundary

CDCA Boundary

Transmission Corridor

OHV Boundary

### Renewable Footprint

Development Focus Areas

### Land Status

Bureau of Land Management

0 1 2 Miles

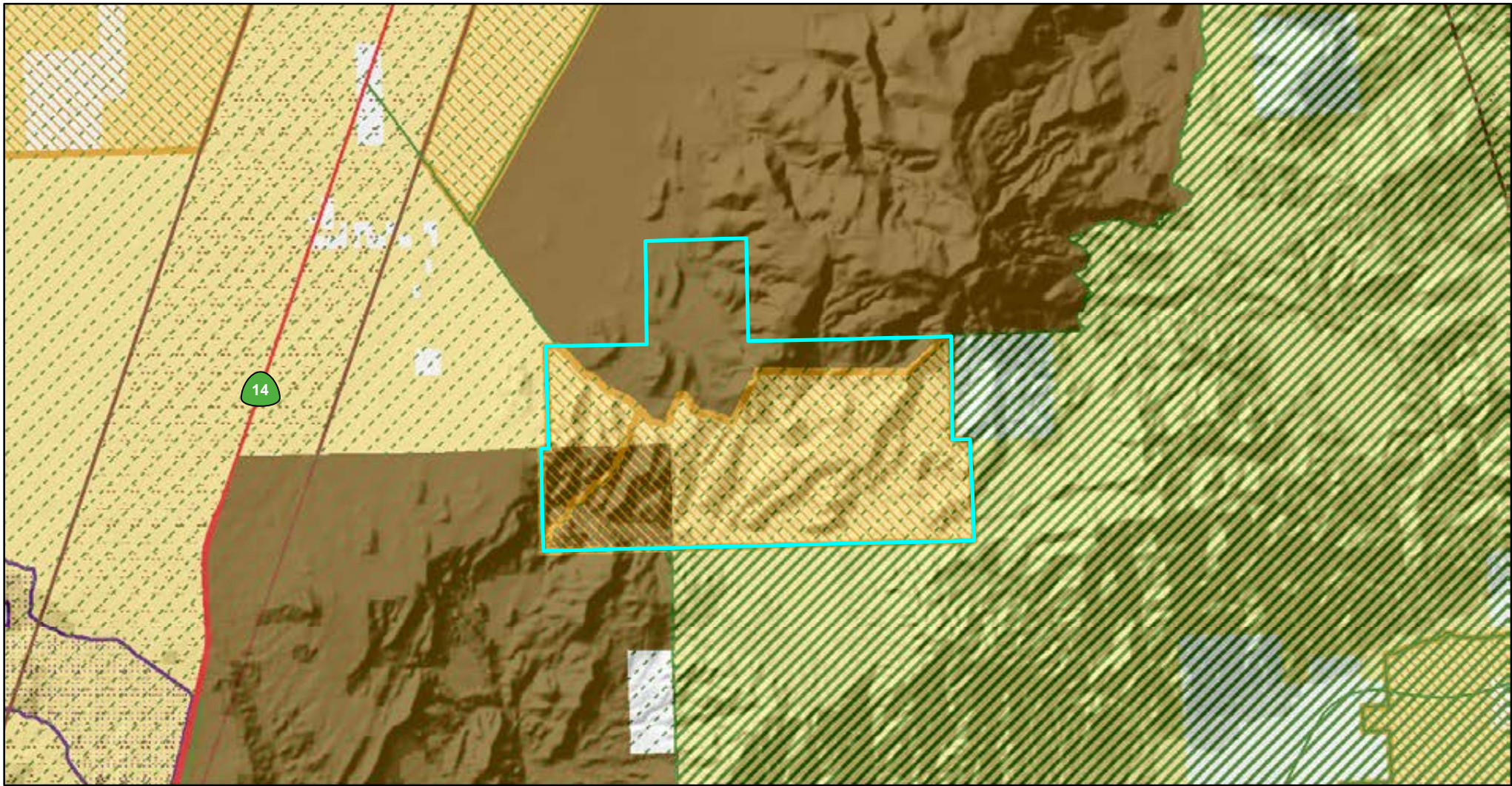
## Last Chance Canyon Alternative 3

8/26/2015

Draft Map Boundaries Subject to Change










### Conservation Footprint

 National Conservation Lands

 Legislatively & Legally Protected Areas


### ACEC Boundaries

 0.25% Disturbance Cap

 1% Disturbance Cap

 DRECP Boundary

 CDCA Boundary

 Transmission Corridor

 OHV Boundary

### Land Status

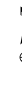
 Bureau of Land Management

0 1 2 Miles

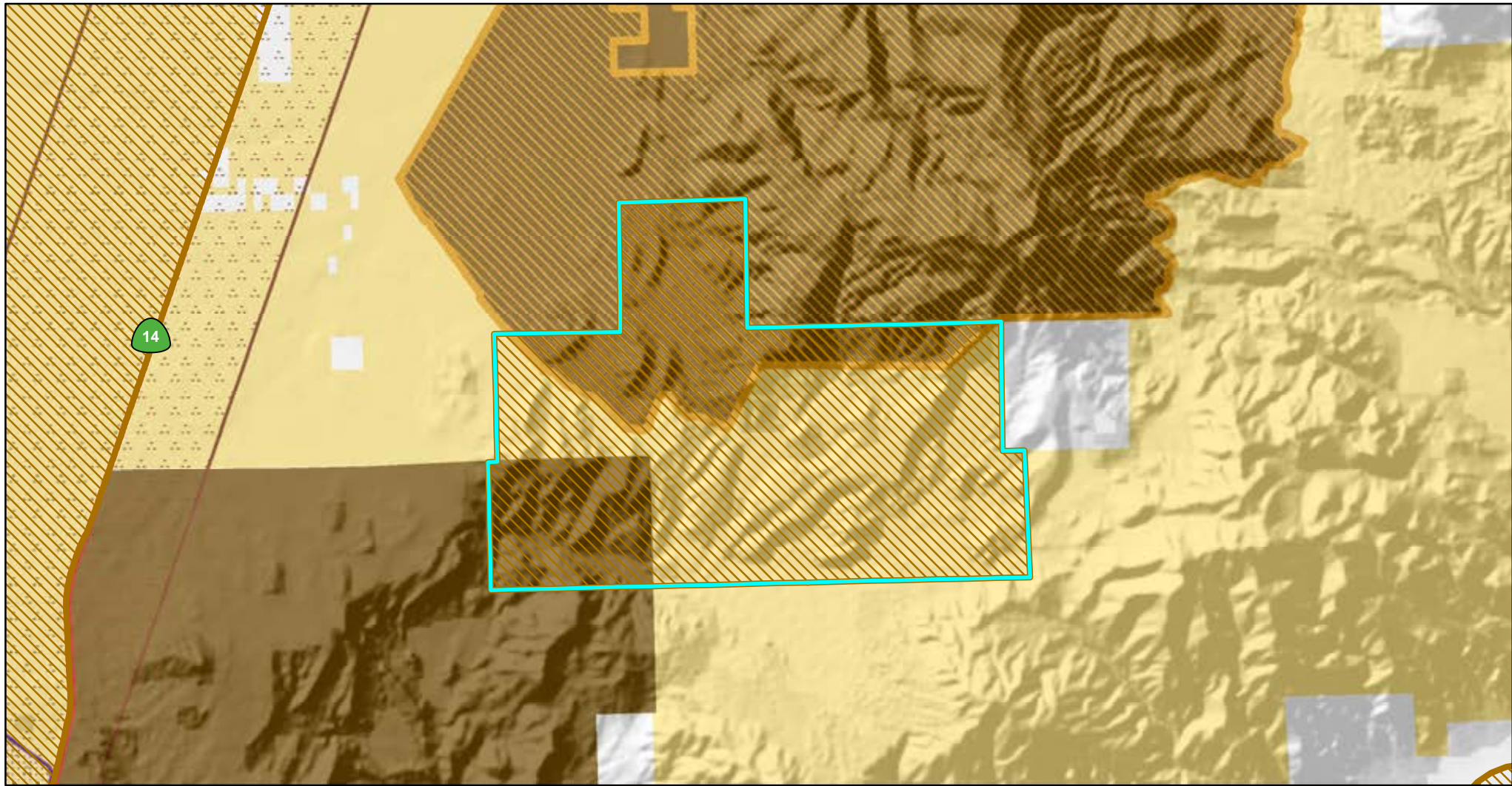
## Last Chance Canyon Alternative 4

8/27/2015

Draft Map Boundaries Subject to Change







### Conservation Footprint

- |                       |   |
|-----------------------|---|
| Existing ACEC         | National Conservation Lands             |
| Transmission Corridor | OHV Boundary                            |
| CDCA Boundary         | Legislatively & Legally Protected Areas |
| DRECP Boundary        |   |

### Land Status

- |                           |
|---------------------------|
| Bureau of Land Management |
|---------------------------|

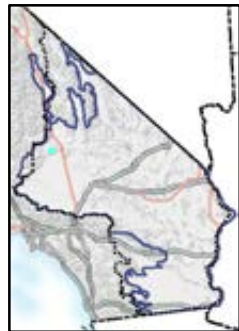
0 1.5 3 Miles

## Last Chance Canyon

### No Action

9/15/2015

Draft Map Boundaries Subject to Change





## Manzanar

**National Conservation Lands Ecoregion:** Not in CDCA

**Description/Location:**

This unit is adjacent to Manzanar National Historic Site (NHS) managed by the National Park Service. It is located west of highway 395 near the town of Independence.

**Nationally Significant Values:** Not eligible for NCL proposal under PL 111-11 because not in CDCA.

**Relevance and Importance Criteria:**

The Manzanar unit includes significant historic and cultural values, including archaeological and cultural resources that are sensitive and vulnerable to adverse change.

“Manzanar National Historic Site [NHS] was established to preserve the stories of the internment of nearly 120,000 Japanese Americans during World War II and to serve as a reminder to this and future generations of the fragility of American civil liberties.” Manzanar National Park Service website

The unit is adjacent to the Manzanar NHS. The unit contains numerous cultural resources related to the internment camp and the prehistoric use of the area. These include a concrete and stone water reservoir constructed by the Japanese-American internees, and several prehistoric habitation sites. The historic feature has been determined to be a contributing element to the significance of the NHS, but has not been formally added to the listing. The viewshed has been identified as important by the National Park Service, and it is likely that development near the NHS would be construed as an adverse effect by the Advisory Council on Historic Preservation.

**Grazing Allotment:** This unit overlaps with Alabama Hills Allotment.

**Overarching Goals:**

Protect cultural resources within a landscape setting, to ensure that the environmental context is preserved.

**Designation and Acreage by Alternative:**

Alternative	BLM Acres of NLCS within ACEC or Wildlife Allocation	BLM Acres within ACEC	BLM Acres within Wildlife Allocation	ACEC Disturbance Cap
No Action	0	0	0	NA
Preferred Alternative	0	530	0	0.10%
1	0	600	0	0.10%
2	0	600	0	0.10%
3	0	600	0	0.10%
4	0	400	0	0.10%

\* Acreage values are for BLM managed lands

Objectives (desired future conditions) /Allowable Uses/Management Actions	Resource
Objective: Protection of all significant cultural resources in perpetuity.	Cultural Resources

<p>Allowable Uses:</p> <p>Allowable Uses: Uses that can be carried out without adversely affecting the integrity of the historic or ethnographic landscape and that can be designed to avoid adverse effects to cultural resources.</p> <p>Management Actions: Consider the resources on the landscape level and limit any activities that would alter the setting, context, or feel of the cultural sites. Limit all activities below the threshold of an Adverse Effect.</p> <p>See programmatic ACEC cultural resources objective and action items in general resource rules</p>	
<p>Objective: Retain the appearance and setting of the historic landscape, as seen from the adjacent Manzanar National Historic Site and other key observation points.</p> <p>Allowable Uses: Uses that can be carried out without adversely affecting the integrity of the historic or ethnographic landscapes and that can be designed to avoid adverse effects to cultural resources.</p> <p>Management Actions: Consider the resources on the landscape level and limit any activities that would alter the setting, context, or feel of the historic or ethnographic landscapes</p>	Visual Resources
<p>Objective: Consolidate through tenure adjustment.</p> <p>Management Action: Acquire inholdings, edgeholdings and other interests from willing sellers.</p>	Land Tenure
<p>Objective: Protect resource values of the ACEC</p> <p>Management Action: Land use authorization proposals (new, renewal, and amendment) will be analyzed on a case-by-case basis to assess whether they are compatible with the ACEC and its management goals.</p>	Rights of Way (ROW)
<p>Objective: No development</p> <p>Allowable Uses: Not an allowable use. Renewable energy development is not compatible with NLCS and ACEC unit values and criteria</p>	Renewable Energy
<p>Manage in accordance with current policy and RMP guidance, including the following: Prohibit geothermal exploration and development when it conflicts with significant cultural resources, habitat for endangered, threatened, and candidate species, or other species of management concern (1993 Bishop RMP).</p>	Locatable Minerals Mineral Materials Non-Energy Leasable





## Conservation Footprint

ACEC Boundaries      DRECP Boundary      Land Status  
 0.1% Disturbance Cap      CDCA Boundary      Bureau of Land Management  
 0.25% Disturbance Cap

## Manzanar

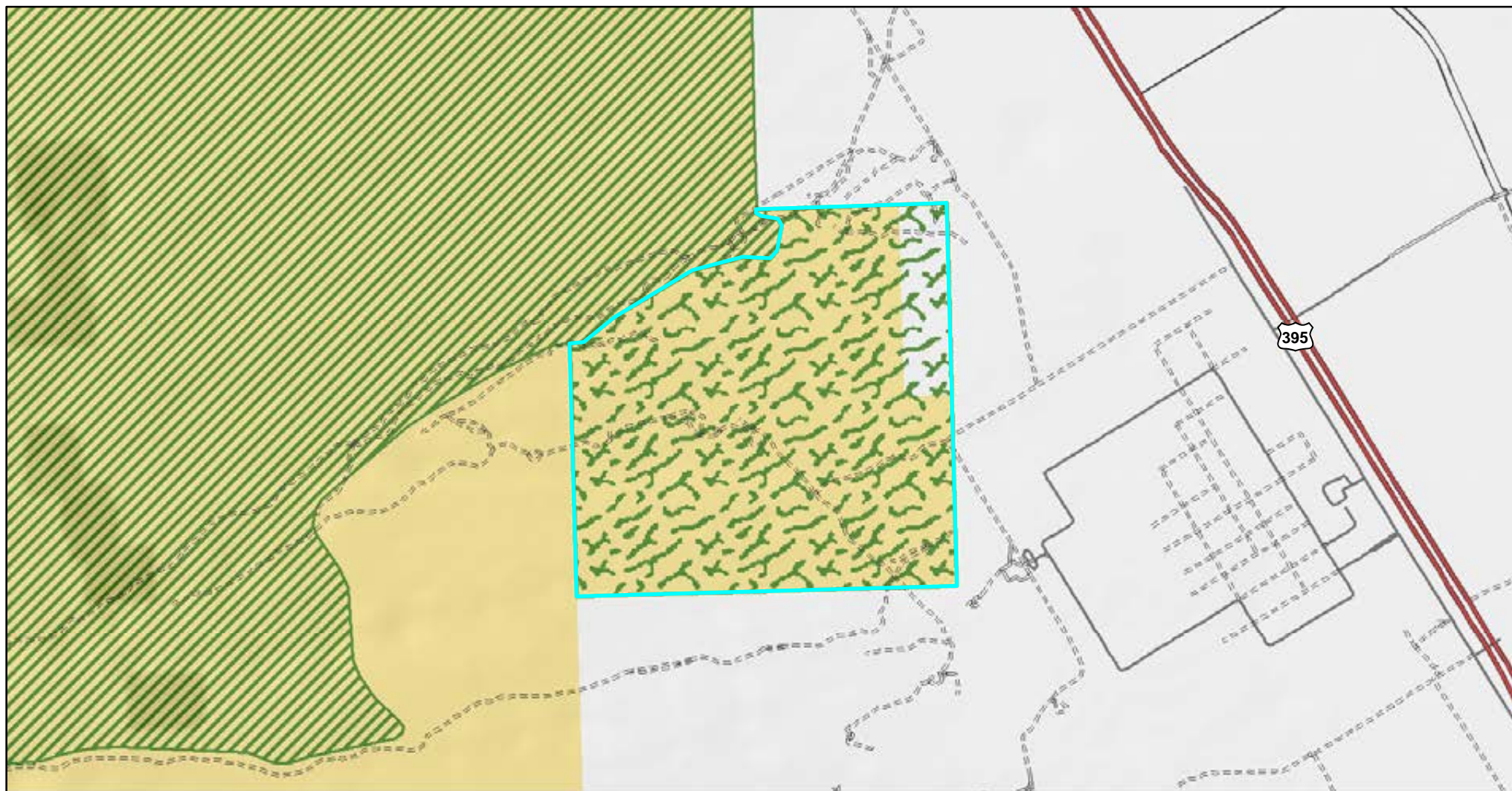
6/24/2015

Draft Map Boundaries Subject to Change

0      0.5      1  
 Miles







# Conservation Footprint

ACEC Boundaries



DRECP Boundary

Land Status



0.1% Disturbance Cap



Bureau of Land Management



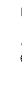
0.25% Disturbance Cap

## Manzanar Alternative 1

8/25/2015

Draft Map Boundaries Subject to Change

0 0.25 0.5  
Miles







## Conservation Footprint

ACEC Boundaries  
 0.1% Disturbance Cap  
 0.25% Disturbance Cap

DRECP Boundary  
 CDCA Boundary

Land Status  
 Bureau of Land Management

## Manzanar Alternative 2

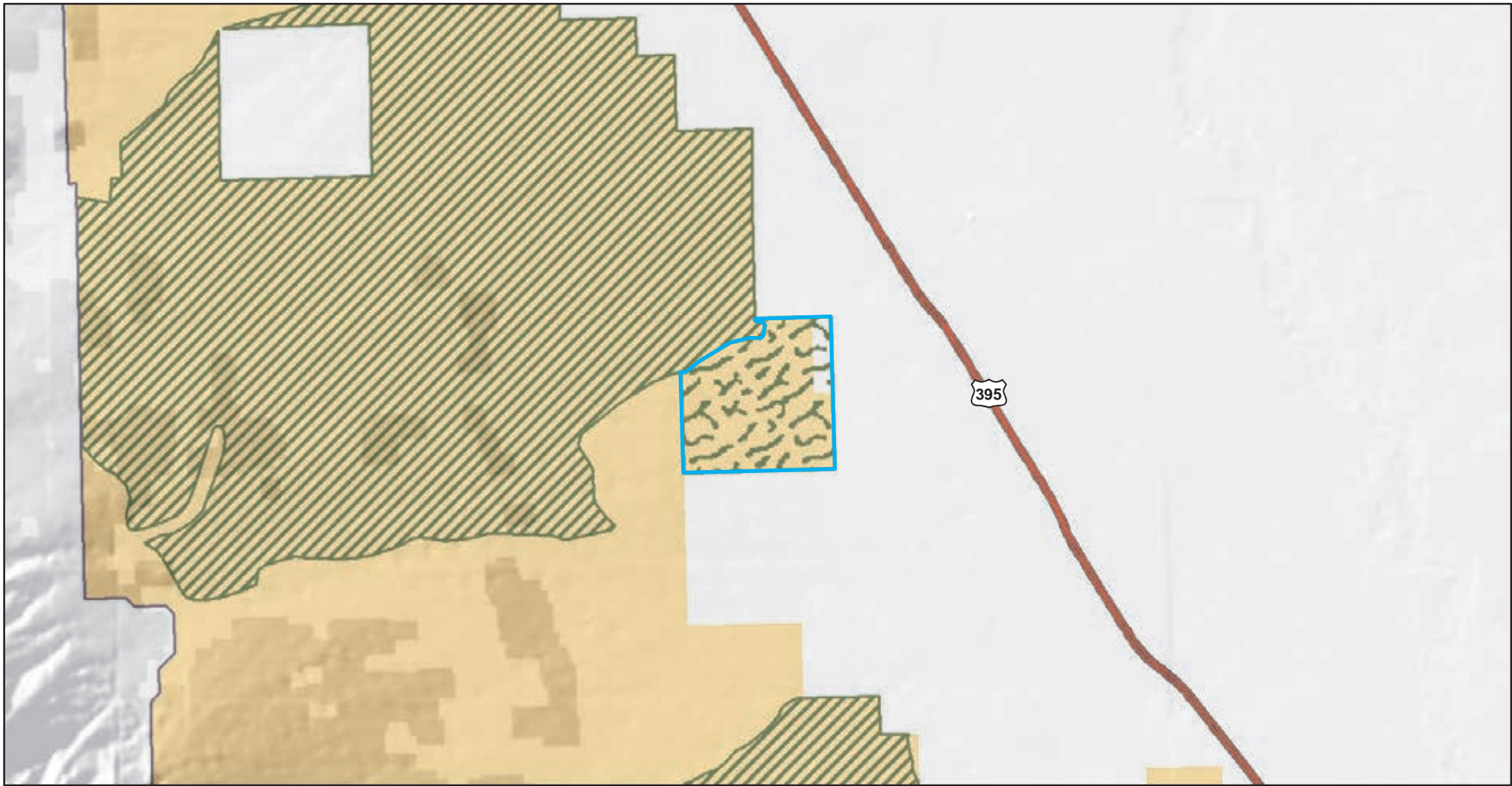
8/26/2015

Draft Map Boundaries Subject to Change

0 0.5 1 Miles







# Conservation Footprint

ACEC Boundaries  
 0.1% Disturbance Cap  
 0.25% Disturbance Cap

DRECP Boundary  
 CDCA Boundary

Land Status  
 Bureau of Land Management

## Manzanar Alternative 3

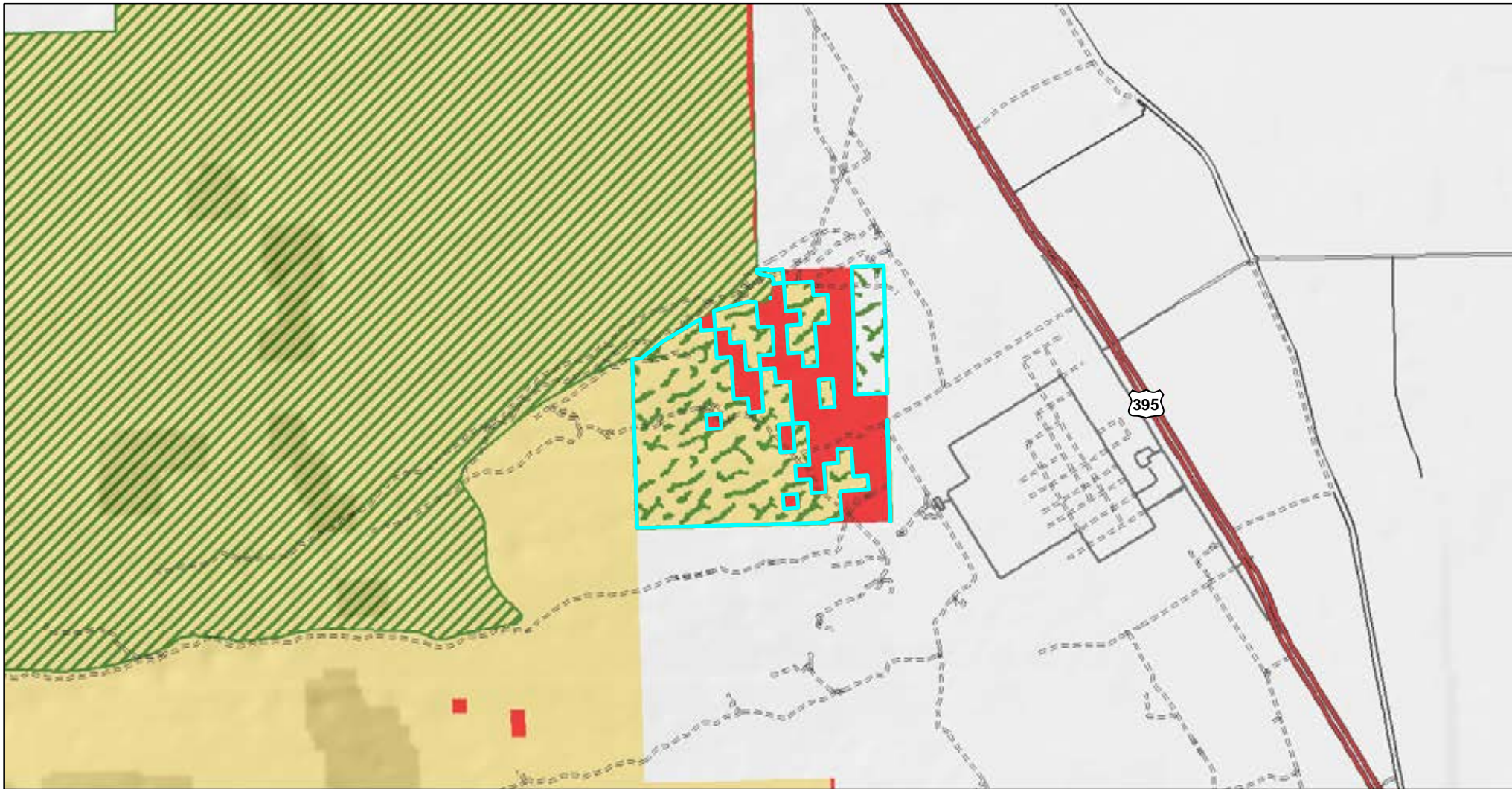
8/26/2015

Draft Map Boundaries Subject to Change

0 0.5 1 Miles









## Conservation Footprint


### ACEC Boundaries

-  0.1% Disturbance Cap
-  0.25% Disturbance Cap

### DRECP Boundary

-  DRECP Boundary
-  CDCA Boundary

### Renewable Footprint

-  Variance Lands

### Land Status

-  Bureau of Land Management

## Manzanar Alternative 4

8/27/2015

Draft Map Boundaries Subject to Change

0 0.25 0.5  
Miles



### Middle Knob

**National Conservation Lands Ecoregion:** West Desert and Eastern Slopes

**Description/Location:** Located approximately 6 miles north of the town Mojave and is due east of Horse Canyon ACEC.

**Nationally Significant Values:**

**Ecological:** Significant biological resources are in the area, rare vegetation types and sensitive animals and plants. The area includes a portion of the nationally designated Pacific Crest National Scenic Trail, which runs from Mexico to Canada.

**Special Designations/Management Plan/Date:** CDCA Plan 1980, WEMO Amendment D.2.5

**Relevance and Importance Criteria:** Regionally significant populations of Kern buckwheat (*Eriogonum kennedyi* var. *pinicola*). This area was designated to protect areas of Kern buckwheat habitat and to monitor suitable habitat for flax-like monardella (*Monardella linoides* var. *oblonga*). It is also designated as a Key Raptor Area. Joshua tree woodland is also present.

**National Historic and Scenic Trails:** This unit overlaps a portion of the Pacific Crest Trail.

**Recreation Area:** This unit overlaps with both the Middle Knob and the Pacific Crest Trail SRMAs.

**Grazing Allotment:** This unit overlaps with the Hansen Common Allotment.

**Overarching Goals:** Protect biological values, including habitat quality, populations of sensitive species, and landscape connectivity while providing for compatible public uses.

Where the CMAs in this Special Management Plan conflict from the CMAs included in Volume II of the Proposed LUPA and Final EIS, the more restrictive CMA would be applied (i.e. management that best supports resource conservation and limits impacts to the values for which the conservation unit was designated), unless otherwise specified.

If this area is included in the National Conservation Lands, the BLM will manage this area to protect the Nationally Significant Values above. Appropriate multiple uses will be allowed, consistent with this Special Unit Management Plan and the CMAs in Volume II. If an activity is not specifically covered by the CMAs, it will be allowed if it is consistent with the Nationally Significant Values, but prohibited if the uses conflict with those values.

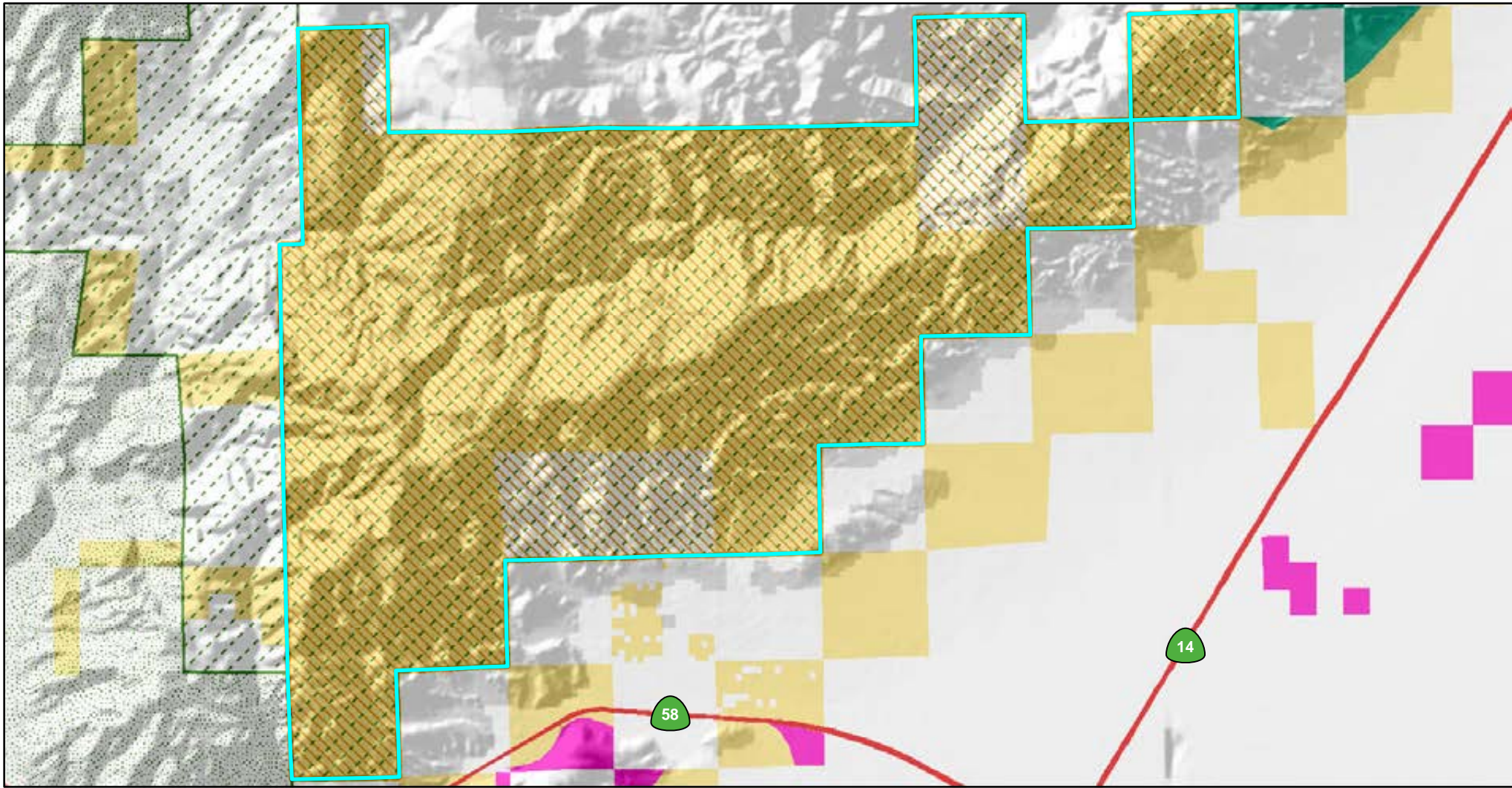


<b>Designation and Acreage by Alternative:</b>				
Alternative	BLM Acres of NLCS within ACEC or Wildlife Allocation	BLM Acres within ACEC	BLM Acres within Wildlife Allocation	ACEC Disturbance Cap
No Action	0	17,800	0	NA
Preferred Alternative	17,713	17,800	0	1%
1	17,700	17,800	0	1%
2	17,800	17,800	0	1%
3	17,700	17,800	0	1%
4	17,700	17,800	0	1%
<b>* Acreage values are for BLM managed lands</b>				
<b>Objectives (desired future conditions)/ Allowable Uses/Management Actions</b>				<b>Resource</b>
<p>Objective: Soils exhibit functional biological and physical characteristics that are appropriate to soil type, climate, and land form.</p> <p>Allowable Uses: Restrict construction activities when soils are susceptible to heightened risk of erosion.</p> <p>Management Actions: Ensure soils to meet or exceed the Soil Standard of Rangeland Health, as indicated by ground or plant cover, diversity of plant species, minimal evidence of accelerated wind and water erosion and the presence of biological soil crusts where appropriate.</p> <p>Objective: Protect the hydrologic flow regime in all of the riparian areas</p> <p>Allowable Uses: Existing water rights</p> <p>Management actions:</p> <ul style="list-style-type: none"> <li>• Manage riparian/wetland vegetation, structure, and diversity and stream channels and floodplains so that they are function and achieving physical and biological objectives.</li> <li>• Monitor Proper Functioning Condition and restore natural flow stream morphology when needed</li> <li>• Monitor water uses</li> </ul>				Soil, water, air
<p>Objective: Manage the CA in a manner that would insure the best long-term protection for the Kern Buckwheat (<i>Eriogonum kennedyi</i> var. <i>pinicola</i>) and Joshua tree woodland.</p> <p>Management Action: Continue to monitor and Protect viable populations of this sensitive species.</p> <p>Objective: Initiate a restoration project to reduce impacts and enhance habitat for the Kern buckwheat.</p>				Vegetation (incl. special status species)

<p>Management Actions:</p> <ul style="list-style-type: none"> <li>• Create barriers to vehicles along the road adjoining occupied habitat.</li> <li>• Create fencing on both sides of the road near the Sweet Ridge population. Restore the vehicle turnaround and parking area so that traffic passes by, rather than on, the buckwheat habitat</li> </ul> <p>Objective: Protect other sensitive plant species</p> <p>Objective: Conserve areas of Joshua tree woodland.</p> <p>Management Actions:</p> <ul style="list-style-type: none"> <li>• Monitor population trends of Joshua trees, remove/prevent threats, and take remedial actions when impacts occur.</li> <li>• Surveys for the flax-like monardella (<i>Monardella linoides</i> var. <i>oblonga</i>) in suitable habitat would be required for any public ground-disturbing projects within the ACEC.</li> </ul>	
<p>Objective: Manage for the protection of sensitive wildlife species including raptors – hawks, eagles, falcons.</p> <p>Management Action: Protect nesting raptors and nesting habitat.</p>	Fish and Wildlife (incl. special status species)
<p>Objective: Protect sensitive habitat while providing visitor access</p> <p>Allowable Uses: Motorized, non-motorized, non-mechanized, etc. including casual as well as permitted use.</p> <p>Management Action: Identify access routes which minimize impact to resources. Limit vehicles to open designated routes by signing, fencing, and barriers as funding allows.</p> <p>Management Action: Designated routes will be signed and managed in accordance to the local Travel Management Plan, as funding allows. Un-authorized routes will be rehabilitated/restored as funding allows.</p>	Trails and Travel Management
<p>Objective: Provide dispersed opportunities for enjoyment of the ACEC attributes</p> <p>Allowable Uses: All forms of casual and permitted recreational uses are allowed including but not limited to dispersed camping, hunting, photography, picnicking, climbing, rock hounding, astronomy/star gazing, nature study and viewing.</p> <p>Management Action: Increase information to public, maintain signs, vehicle barriers and kiosks, and work with volunteers to clean-up parking and camping areas on a regular basis. Increase compliance with resource protection goals.</p>	Recreation
<p>Objective: Protection of the Kern Buckwheat populations and Golden Eagles</p> <p>Allocations: Right-of-way exclusion area</p>	Rights of Way
<p>Objective: Consolidate through tenure adjustment.</p> <p>Management Action: Acquire inholdings, edgeholdings and other interests from willing sellers</p>	Land Tenure
<p>Objective: Maintain integrity of large blocks of habitat</p> <p>Allocation: Not an allowable use.</p>	Renewable Energy



<p>Renewable energy development is not compatible with NLCS and ACEC unit values and criteria</p> <p>ACECs are closed to geothermal leasing and development unless they overlap with a DFA where geothermal is allowed. Where there is overlap, ACECs are open to geothermal leasing with an NSO stipulation.</p>	
<p>Objective: Protect Kern Buckwheat from mining activities</p> <p>Management Action: Include stipulations to protect Kern Buckwheat including not disturbing occupied habitat</p>	<p>Locatable Minerals Mineral Materials Non-energy Leaseables</p>

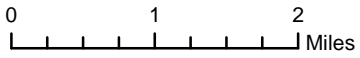


**Conservation Footprint**

- National Conservation Lands
- ACEC Boundaries
- 1% Disturbance Cap
- Wildlife Allocation

- DRECP Boundary
- CDCA Boundary
- Renewable Footprint**
- Development Focus Areas
- Variance Process Lands

- Land Status**
- Bureau of Land Management



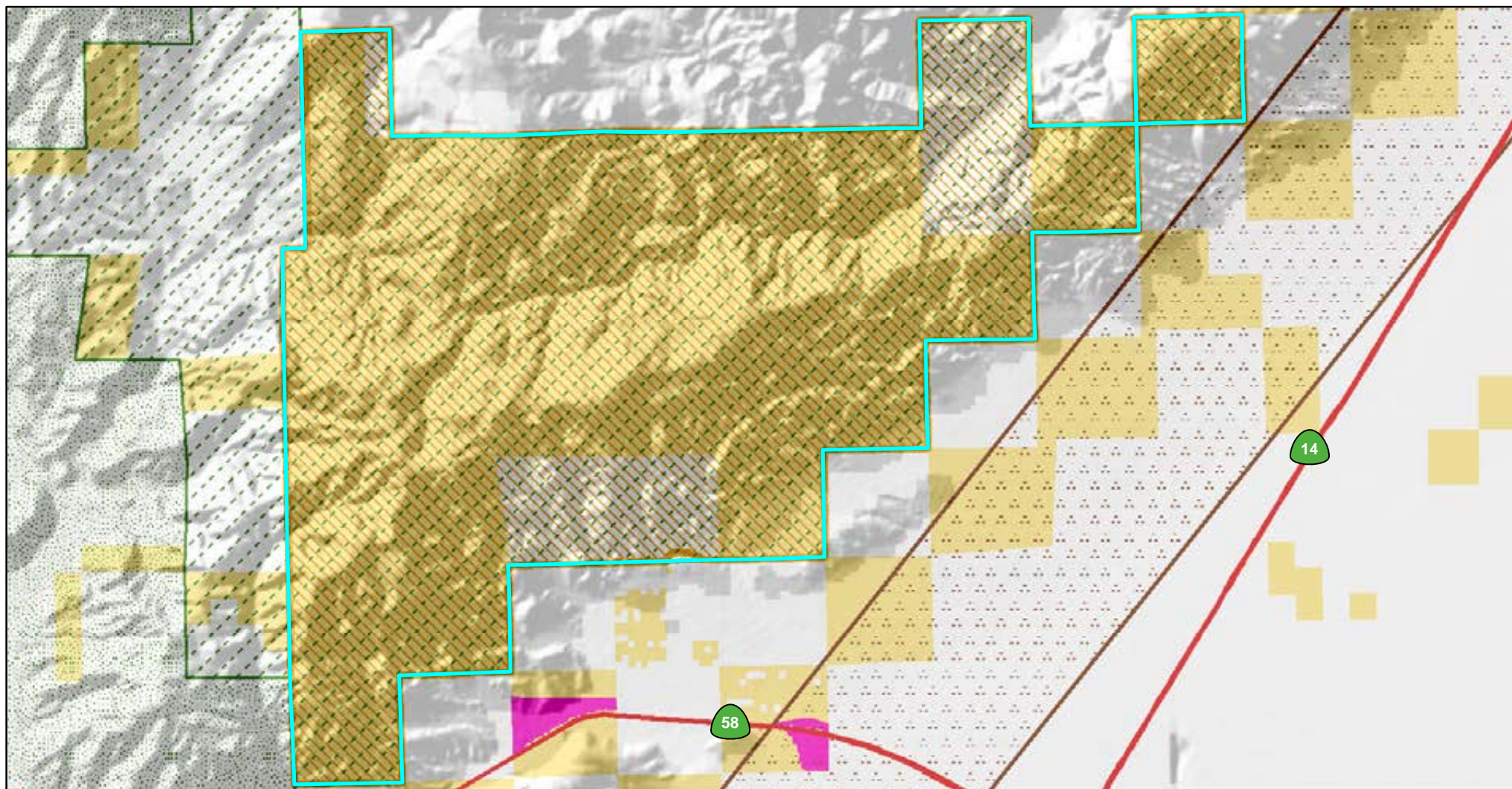
**Middle Knob**

6/24/2015

Draft Map Boundaries Subject to Change







### Conservation Footprint

National Conservation Lands

ACEC Boundaries

1% Disturbance Cap

Wildlife Allocation

DRECP Boundary

CDCA Boundary

Transmission Corridor

Renewable Footprint

Development Focus Areas

### Land Status

Bureau of Land Management

0 1 2  
Miles

## Middle Knob

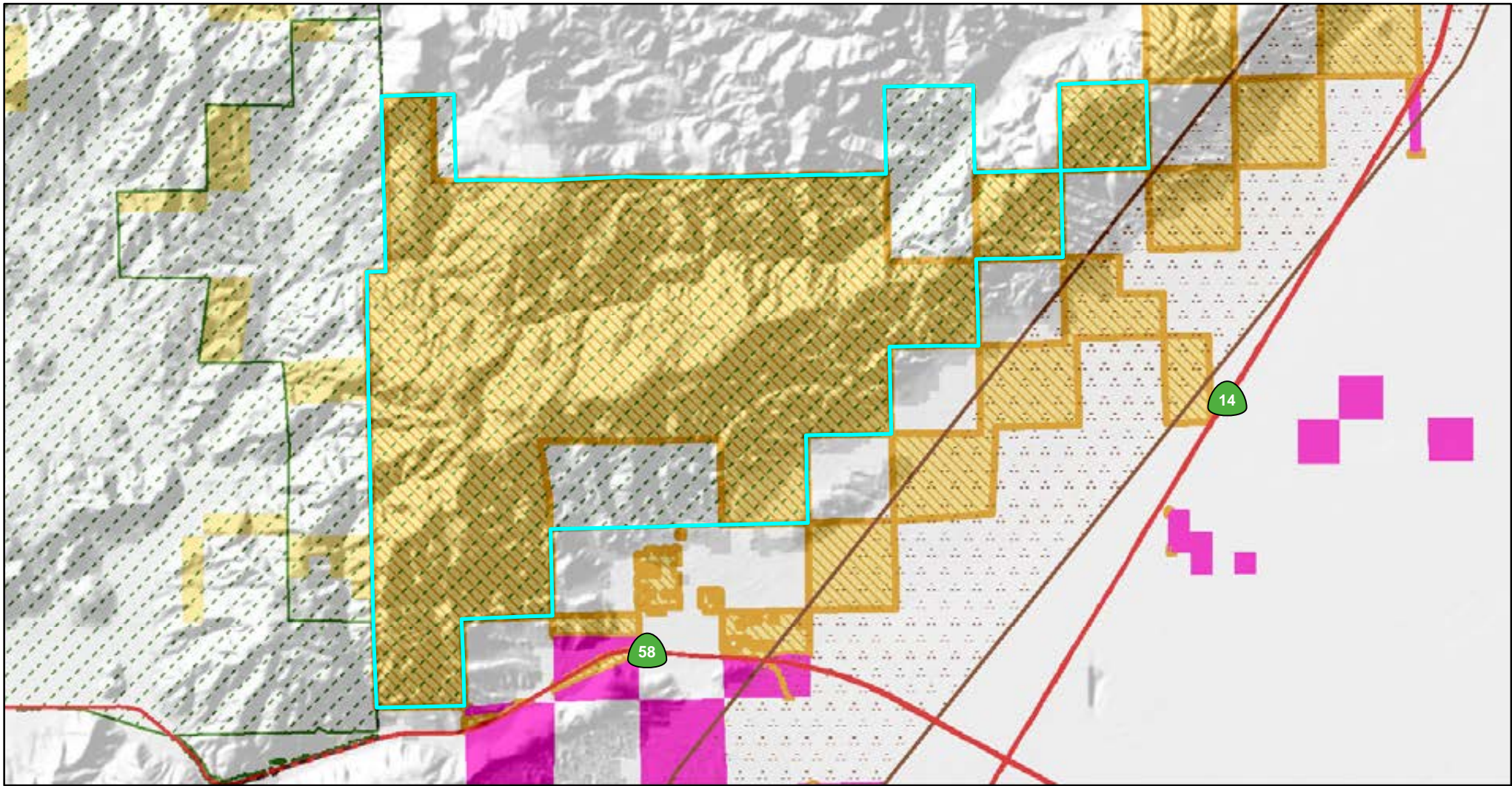
### Alternative 1

8/25/2015

Draft Map Boundaries Subject to Change







### Conservation Footprint

National Conservation Lands

ACEC Boundaries

1% Disturbance Cap

DRECP Boundary

CDCA Boundary

Transmission Corridor

Renewable Footprint

Development Focus Areas

Land Status

Bureau of Land Management

0 1 2  
Miles

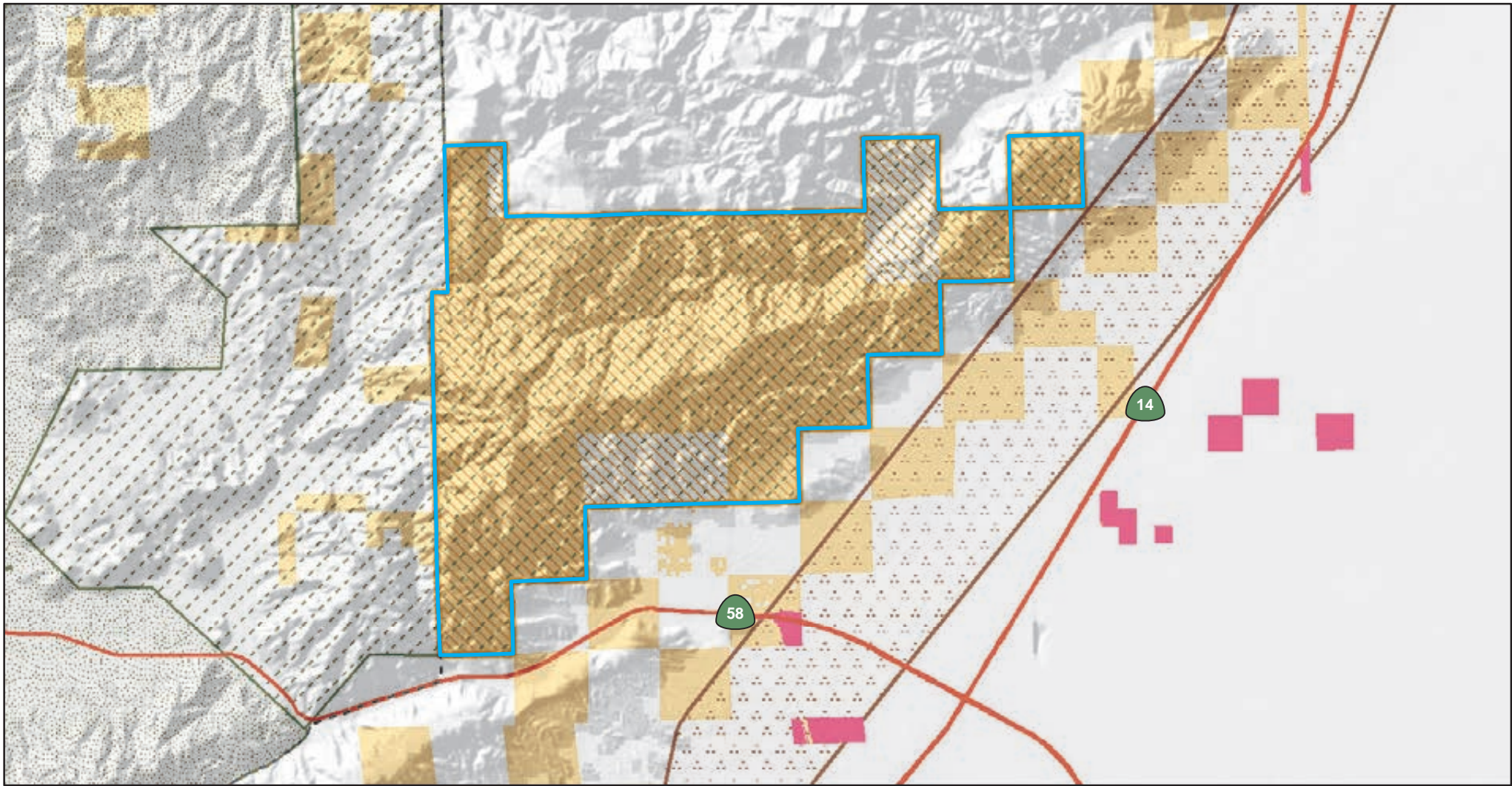
### Middle Knob Alternative 2

8/26/2015

Draft Map Boundaries Subject to Change







### Conservation Footprint

National Conservation Lands

### ACEC Boundaries

1% Disturbance Cap

Wildlife Allocation

DRECP Boundary

CDCA Boundary

Transmission Corridor

### Renewable Footprint

Development Focus Areas

### Land Status

Bureau of Land Management

0 1 2  
Miles

## Middle Knob

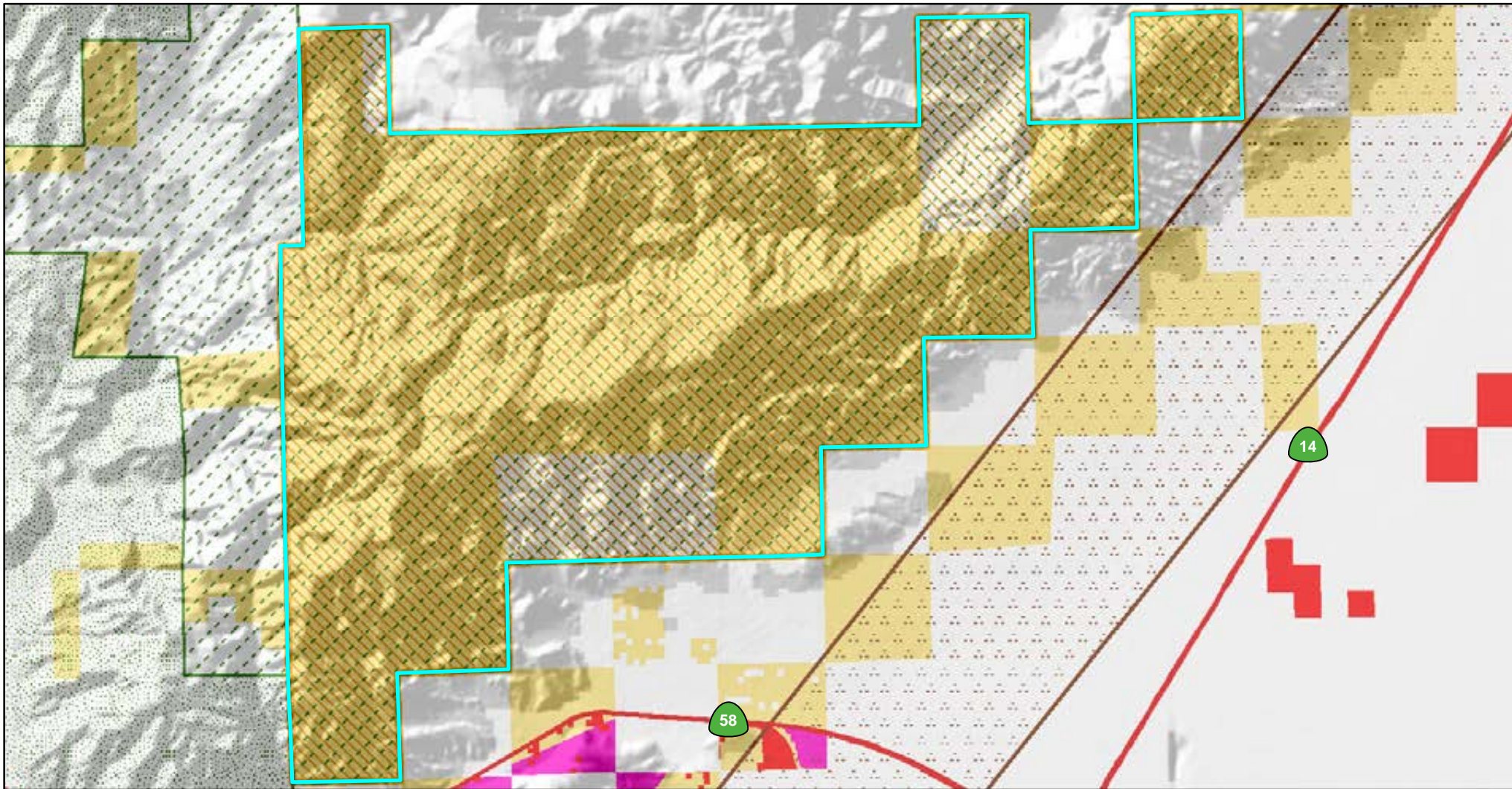
### Alternative 3

8/26/2015

Draft Map Boundaries Subject to Change







### Conservation Footprint

National Conservation Lands

### ACEC Boundaries

1% Disturbance Cap

Wildlife Allocation

DRECP Boundary

CDCA Boundary

Transmission Corridor

### Renewable Footprint

Development Focus Areas

Variance Lands

### Land Status

Bureau of Land Management

0 0.5 1  
Miles

## Middle Knob

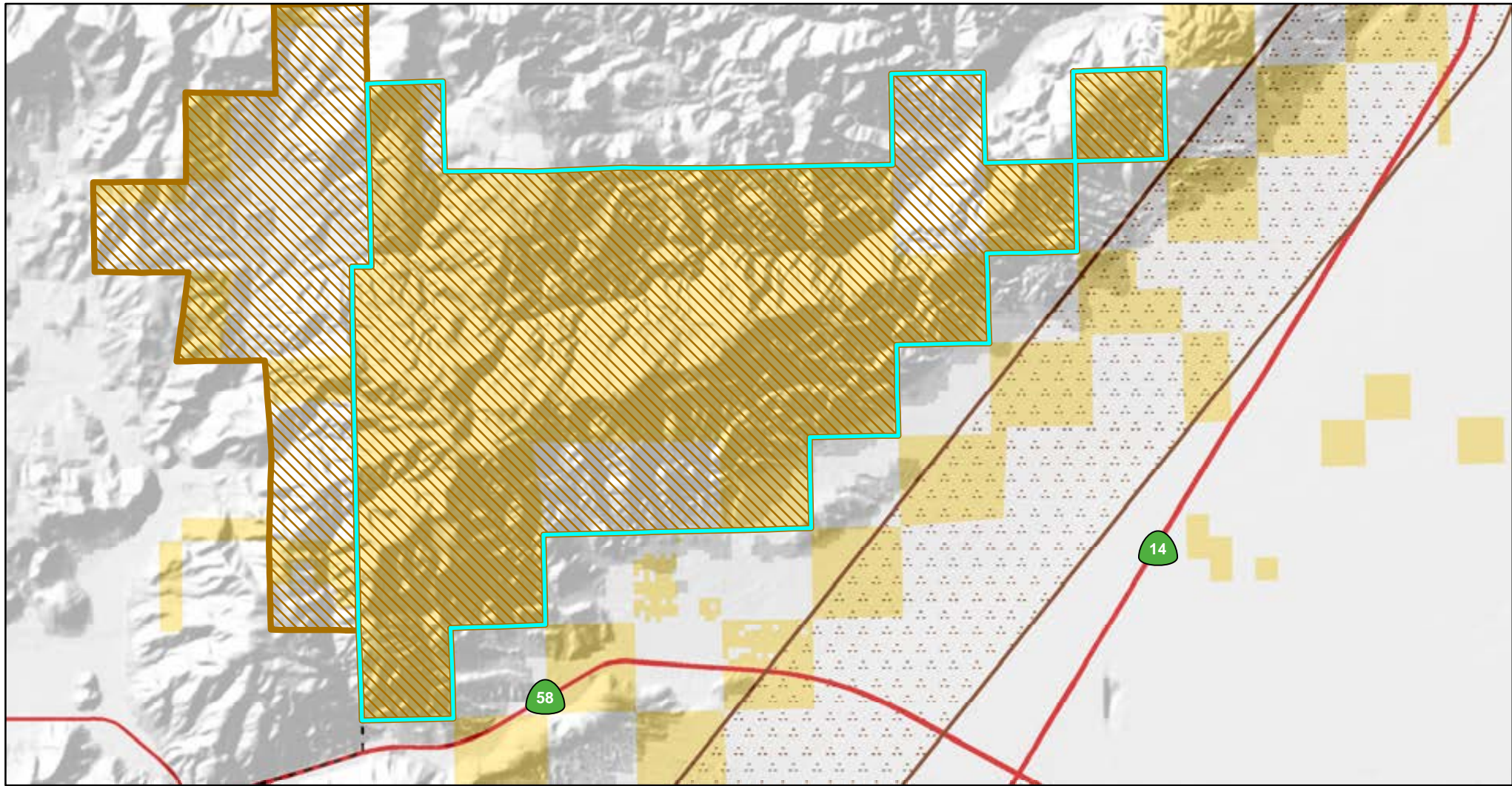
### Alternative 4

8/27/2015






Draft Map Boundaries Subject to Change

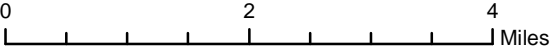






Conservation Footprint

- |  |   |
|--|---|
|  Existing ACEC         | <b>Land Status</b>  |
|  Transmission Corridor |  Bureau of Land Management |
|  CDCA Boundary         |   |
|  DRECP Boundary        |   |



Middle Knob

No Action

9/15/2015

Draft Map Boundaries Subject to Change



### Mojave Fishhook Cactus

**National Conservation Lands Ecoregion:** Pinto Lucerne Valley and Eastern Slopes and West Desert and Eastern Slopes

**Description/Location:** Mojave Fishhook cactus ACEC is located between Interstate 15 and Hwy 395 and is adjacent to the north-west corner of the Brisbane Valley Mojave Monkeyflower ACEC.

**Nationally Significant Values:** Not proposed for NCLS designation.

**Special Designations/Management Plan/Date:** ACEC established in the 2006 West Mojave Plan

**Relevance and Importance Criteria:**

Set aside solely to protect the Mojave fishhook cactus – yellow-spined form. The area is important for botanical resources and to protect sensitive and restrictive plant species, in particular the Mojave Fishhook Cactus. This area also has populations of Mojave menodora (*Menodora spinescens* var. *mohavensis*) and several wildlife species.

**Grazing Allotment:** This unit overlaps with the Stoddard Mountain Allotment.

**Overarching Goals:** Protect biological values, including habitat quality, populations of sensitive species, and landscape connectivity while providing for compatible public uses.

Where the CMAs in this Special Management Plan conflict from the CMAs included in Volume II of the Proposed LUPA and Final EIS, the more restrictive CMA would be applied (i.e. management that best supports resource conservation and limits impacts to the values for which the conservation unit was designated), unless otherwise specified.

If this area is included in the National Conservation Lands, the BLM will manage this area to protect the Nationally Significant Values above. Appropriate multiple uses will be allowed, consistent with this Special Unit Management Plan and the CMAs in Volume II. If an activity is not specifically covered by the CMAs, it will be allowed if it is consistent with the Nationally Significant Values, but prohibited if the uses conflict with those values.

**Designation and Acreage by Alternative:**

Alternative	BLM Acres of NLCS within ACEC or Wildlife Allocation	BLM Acres within ACEC	BLM Acres within Wildlife Allocation	ACEC Disturbance Cap
No Action	0	600	0	NA
Preferred Alternative	0	637	0	0.5%
1	0	600	0	1%
2	600	600	0	0.5%
3	0	600	0	0.5%
4	0	600	0	0.5%

\* Acreage values are for BLM managed lands



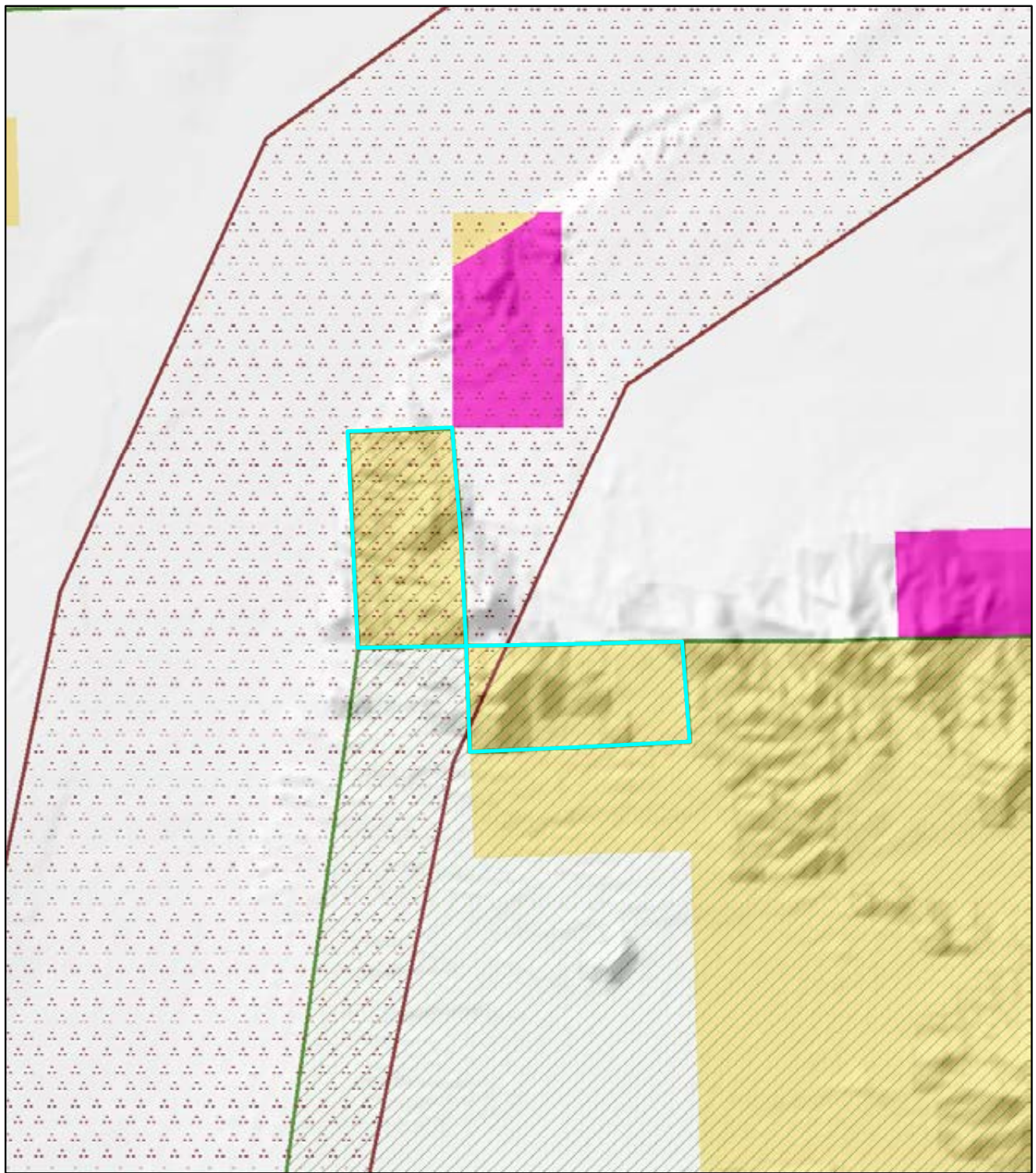
Objectives (desired future conditions)/Allowable Uses/Management Actions	Resource
<p>Objective: Manage the ACEC in a manner that would insure the best long-term protection for the Mojave Fishhook Cactus</p> <p>Objective: Protect and enhance Mojave Fishhook Cactus populations</p> <p>Management Actions:</p> <ul style="list-style-type: none"> <li>• Protect viable populations on public land throughout the range</li> <li>• Coordinate with mining companies to protect this species</li> <li>• Establish a core reserve on public land</li> <li>• Provide site-specific management of occupied habitat on public lands outside the core reserve</li> </ul>	Vegetation - Including special status species
<p>Objective: Manage for the protection of sensitive wildlife species</p> <p>Special Status Species:</p> <p>Coast Horned Lizard (<i>Phrynosoma blainvillei</i>)</p> <p>Desert Tortoise (<i>Gopherus agassizii</i>)</p> <p>Nelson's Bighorn Sheep (<i>Ovis canadensis nelsonii</i>)</p> <p>Management Action: Survey for BLM sensitive species, identify current occupied and potential habitat, identify and implement actions to conserve and improve habitat conditions</p>	Fish and Wildlife - Including special status species
<p>Objective: General Management and Protection of Paleontological Resources</p> <p>Management Action 1: Manage and protect fossil resources consistent with the Paleontological Resources Preservation Act</p> <p>Management Action 2: Develop plans for the inventory, monitoring, and scientific and educational use of paleontological resources as needed</p>	Paleontology
<p>Objective: Protect Mojave Monkeyflower from impacts associated with vehicle traffic</p> <p>Allowable Uses: All vehicle traffic limited to designated roads and trails</p> <p>Management Action: Establish no new routes in ACEC</p>	Trails and Travel Management
<p>Objective: Protect plant population by designation of OHV routes through the area</p> <p>Management Action: Modify the WEMO Route Network to reflect open routes through the ACEC and close other existing unauthorized routes</p> <p>Objective: Inform the public of the importance of the ACEC</p> <p>Management Action: Install interpretive signs at access points to the ACEC. Conduct public education efforts concerning OHV use in the desert</p>	Recreation

Objective: Consolidate through tenure adjustment. Management Action: Acquire inholdings, edgeholdings and other interests from willing sellers.	Land Tenure
Objective: Protection of the Mohave Fishhook Cactus populations Allowable Uses: Right-of-way exclusion area	Rights of Way (ROW)
Objective: Maintain integrity of large blocks of habitat Allocations: <ul style="list-style-type: none"> <li>• Not an allowable use. Renewable energy development is not compatible with NLCS and ACEC unit values and criteria</li> <li>• ACECs are closed to geothermal leasing and development unless they overlap with a DFA where geothermal is allowed. Where there is overlap, ACECs are open to geothermal leasing with an NSO stipulation.</li> </ul>	Renewable Energy
Objective: Protect Mojave Fishhook Cactus from mining activities  Management Action: Include stipulations to protect the Fishhook Cactus including not disturbing occupied habitat	Locatable Minerals Mineral Materials Non-energy Leasables









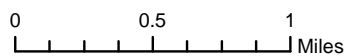






# Conservation Footprint

- |   |   |                    |
|---|---|--------------------|
|  Proposed ACEC           |  DRECP Boundary            | <b>Land Status</b> |
| <b>Renewable Footprint</b>  |  CDCA Boundary             |                    |
|  Development Focus Areas |  Transmission Corridor     |                    |
|   |  Bureau of Land Management |                    |



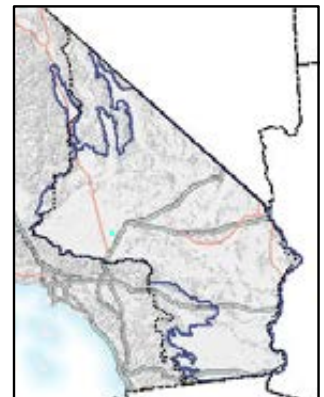
## Mojave Fishhook Cactus



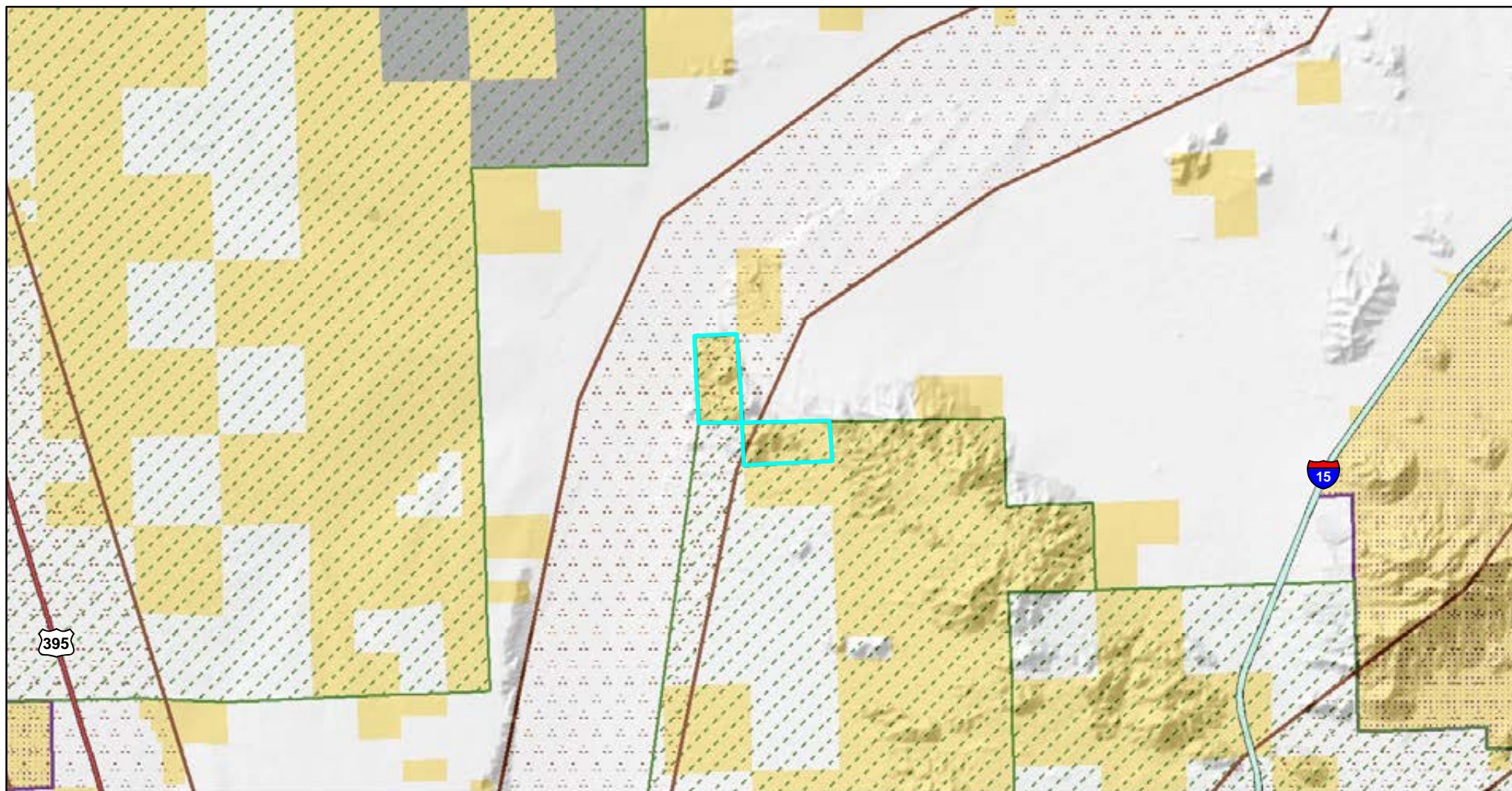
7/14/2015



Draft Map Boundaries Subject to Change







### Conservation Footprint

- |                         |                       |
|-------------------------|-----------------------|
| ACEC Boundaries         | DRECP Boundary        |
| 1% Disturbance Cap      | CDCA Boundary         |
|                         | Transmission Corridor |
|                         | OHV Boundary          |
| Renewable Footprint     |                       |
| Development Focus Areas |                       |

0 1 2 Miles

### Land Status

- |                           |
|---------------------------|
| Bureau of Land Management |
| Department of Defense     |

## Mojave Fishhook Cactus Alternative 1

8/25/2015

Draft Map Boundaries Subject to Change







### Conservation Footprint

National Conservation Lands

### ACEC Boundaries

0.25% Disturbance Cap

0.5% Disturbance Cap

1% Disturbance Cap

DRECP Boundary

CDCA Boundary

Transmission Corridor

OHV Boundary

### Renewable Footprint

Future Assessment Areas

### Land Status

Bureau of Land Management

Department of Defense

0 1 2 Miles

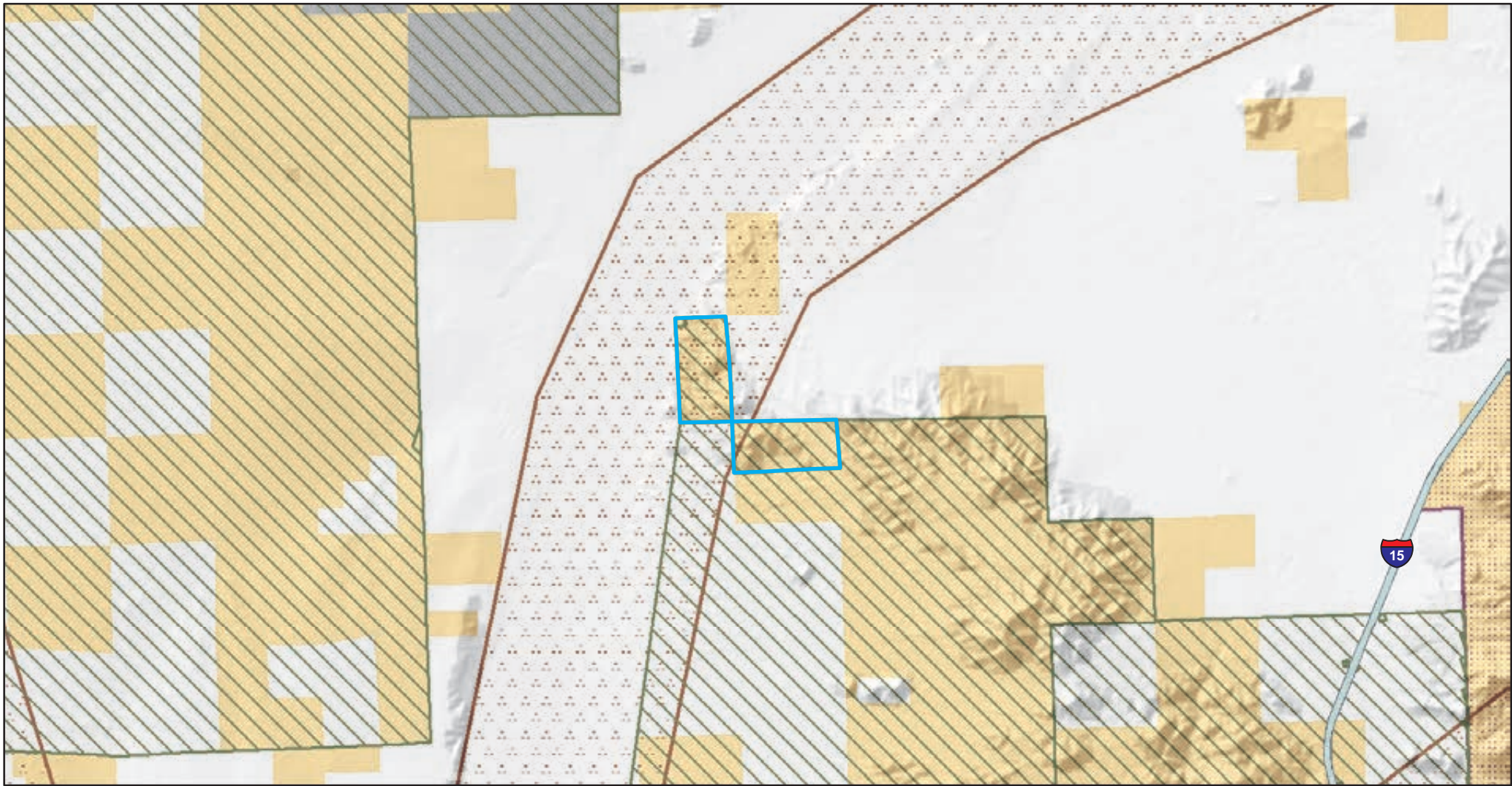
## Mojave Fishhook Cactus Alternative 2

8/26/2015

Draft Map Boundaries Subject to Change







### Conservation Footprint

ACEC Boundaries		DRECP Boundary	Land Status
	0.5% Disturbance Cap		Bureau of Land Management
	1% Disturbance Cap		Department of Defense

## Mojave Fishhook Cactus Alternative 3

8/26/2015

Draft Map Boundaries Subject to Change

0 1 2  
Miles







### Conservation Footprint

National Conservation Lands

#### ACEC Boundaries

0.25% Disturbance Cap

0.5% Disturbance Cap

1% Disturbance Cap

DRECP Boundary

CDCA Boundary

OHV Boundary

Transmission Corridor

#### Renewable Footprint

Development Focus Areas

Variance Lands

#### Land Status

Bureau of Land Management

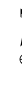
Department of Defense

0 1 2 Miles

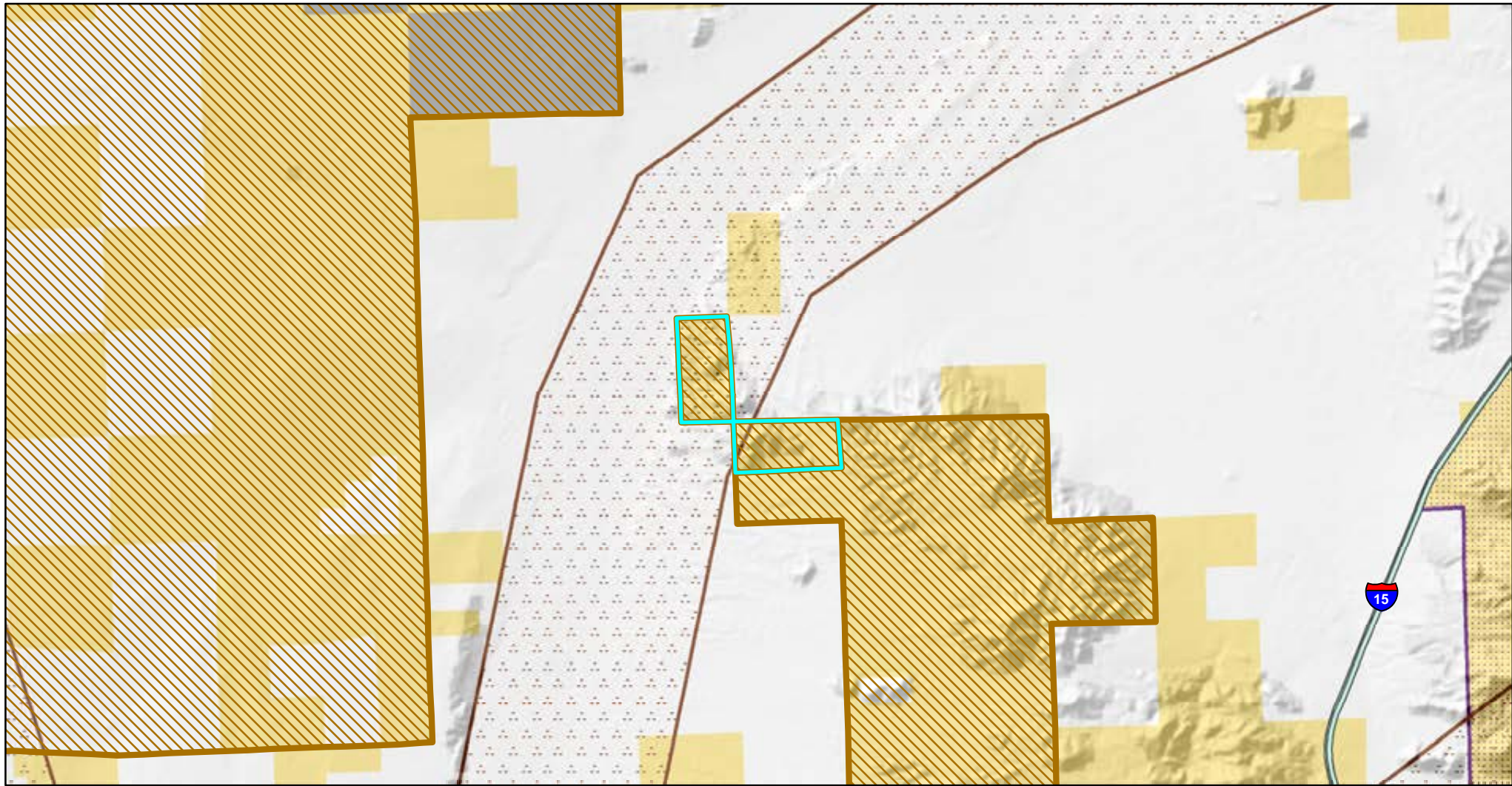
## Mojave Fishhook Cactus Alternative 4

8/27/2015








Draft Map Boundaries Subject to Change







### Conservation Footprint

- |   |   |
|---|---|
|  Existing ACEC         | <b>Land Status</b>  |
|  Transmission Corridor |  Bureau of Land Management |
|  CDCA Boundary         |  Department of Defense     |
|  DRECP Boundary        |   |
|  OHV Boundary          |   |

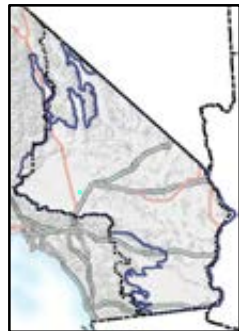
0 1.5 3  
Miles

## Mojave Fishhook Cactus

### No Action

9/15/2015

Draft Map Boundaries Subject to Change



### Mohave Ground Squirrel

**National Conservation Lands Ecoregion:** Basin and Range, Mojave and Silurian Valley, and West Desert and Eastern Slopes

**Description/Location:** Predominantly South of CA State Hwy 190; east of the Tehachapi, Scodie and Sierra Nevada Mountain Ranges; north of CA State Hwy 138; west of Death Valley National Park. This area connects a number of other ACECs, BLM Wilderness areas and NLCS designations which all collectively protect the MGS. In order to minimize overlapping designations the MGS unit only incorporates those habitat areas that are not already incorporated into another conservation unit. All of these other conservation units have MGS conservation objectives written in their worksheets.

**Nationally Significant Values:**

**Ecological:** This is a large area containing the habitat for the state threatened Mohave ground squirrel (*Spermophilus mohavensis*). It was established to protect the long-term survival of this species. This area includes greater connectivity between the large, mostly undeveloped and protected Mohave Ground Squirrel (MGS) habitat found within the three Military Ranges to the north, east (China Lake NAWs) and south (Edwards). The ultimate goal of wildlife connectivity is to allow for unimpeded movement of wildlife. The area includes 11 core population centers. Between these population centers are vital corridors that are critical to maintaining species diversity and genetic linkages. There are also healthy populations of the state and federally threatened desert tortoise found throughout this conservation area.

**Scientific:** Mohave ground squirrel research. WEMO called for trapping for population studies in the Kern County Study Area in Northern Antelope Valley near the town of Mojave.

**Special Designation/Management Plan/Date:** Conservation Area established in the 2006 West Mojave Plan

**Relevance and Importance Criteria:** The habitat contains a diversity of desert shrubs that is home to many sensitive species such as Nelson's bighorn sheep (*Ovis canadensis nelsoni*), bat species, and resident and migrating birds. Desert shrub communities also provide an ecosystem service of carbon sequestration important in mitigating greenhouse gas emissions and global warming. Many BLM special status plant species potentially occur here, also, such as the Mojave Tarplant. Some areas within the ACEC provide a combination of meteorological, geological, hydrological, topographical features that have been identified as important climate refugia (slow/minimized climate changes) for wildlife species.

**Recreation Area:** This unit overlays the East Sierra, El Paso/Rand, Jawbone, North Searles, and Red Mountain SRMAs

**Grazing Allotment:** This unit overlaps the Cantil Common, Darwin, Hansen Common, Hunter Mount Lee Flat, Lacey-Cactus-McCloud, Olancho Common, Rudnick Common, Spangler Hills, and Tunawee Allotments.

**Lands with Wilderness Characteristics:** This unit contains 308 acres of lands that would be managed to protect wilderness character under the preferred alternative. The CMAs for lands managed to protect wilderness character would also apply in those areas.

**Overarching Goals:** Protect Mohave ground squirrel habitat; maintain wildlife habitat connectivity and characteristics of climate refugia and prevent fragmentation; retain healthy desert habitat for this and other sensitive species.



Where the CMAs in this Special Management Plan conflict from the CMAs included in Volume II of the Proposed LUPA and Final EIS, the more restrictive CMA would be applied (i.e. management that best supports resource conservation and limits impacts to the values for which the conservation unit was designated), unless otherwise specified.

If this area is included in the National Conservation Lands, the BLM will manage this area to protect the Nationally Significant Values above. Appropriate multiple uses will be allowed, consistent with this Special Unit Management Plan and the CMAs in Volume II. If an activity is not specifically covered by the CMAs, it will be allowed if it is consistent with the Nationally Significant Values, but prohibited if the uses conflict with those values.

**Designation and Acreage by Alternative:**

Alternative	BLM Acres of NLCS within ACEC or Wildlife Allocation	BLM Acres within ACEC	BLM Acres within Wildlife Allocation	ACEC Disturbance Cap
No Action	0	0	1,264, 317**	NA
Preferred Alternative	61,881	198,552	0	1%
1	30,200	156,000	0	1%
2	191,600	191,600	0	1%
3	57,000	215,000	0	1%
4	44,800	212,900	0	1%

\* Acreage values are for BLM managed lands

\*\* Under No Action, the area is identified as the Mojave Ground Squirrel Management Area. This designation significantly overlaps several existing and newly proposed ACECs. The substantial reduction in size of the MGS MA (~1.2 million acres) to the MGS ACEC (~200 thousand acres) does not actually reflect a reduction in acres protected, but rather eliminates the overlapping designations and adds MGS management to the objectives of the other units.

Objectives (desired future conditions)/Allowable Uses/Management Actions	Resource
<p>Objective: Soils exhibit functional biological and physical characteristics that are appropriate to soil type, climate, and land form.</p> <p>Allocations: Restrict construction activities when soils are susceptible to heightened risk of erosion.</p> <p>Management Actions: Ensure soils to meet or exceed the Soil Standard of Rangeland Health, as indicated by ground or plant cover, diversity of plant species, minimal evidence of accelerated wind and water erosion and the presence of biological soil crusts where appropriate.</p>	Soil, water, air
<p>Objective: Maintain intact vegetation communities and prevent fragmentation.</p> <p>Management Actions:</p> <ul style="list-style-type: none"> <li>Rehabilitate/revegetate disturbed areas</li> <li>Remove invasive plants</li> </ul>	Vegetation (incl. special status species)

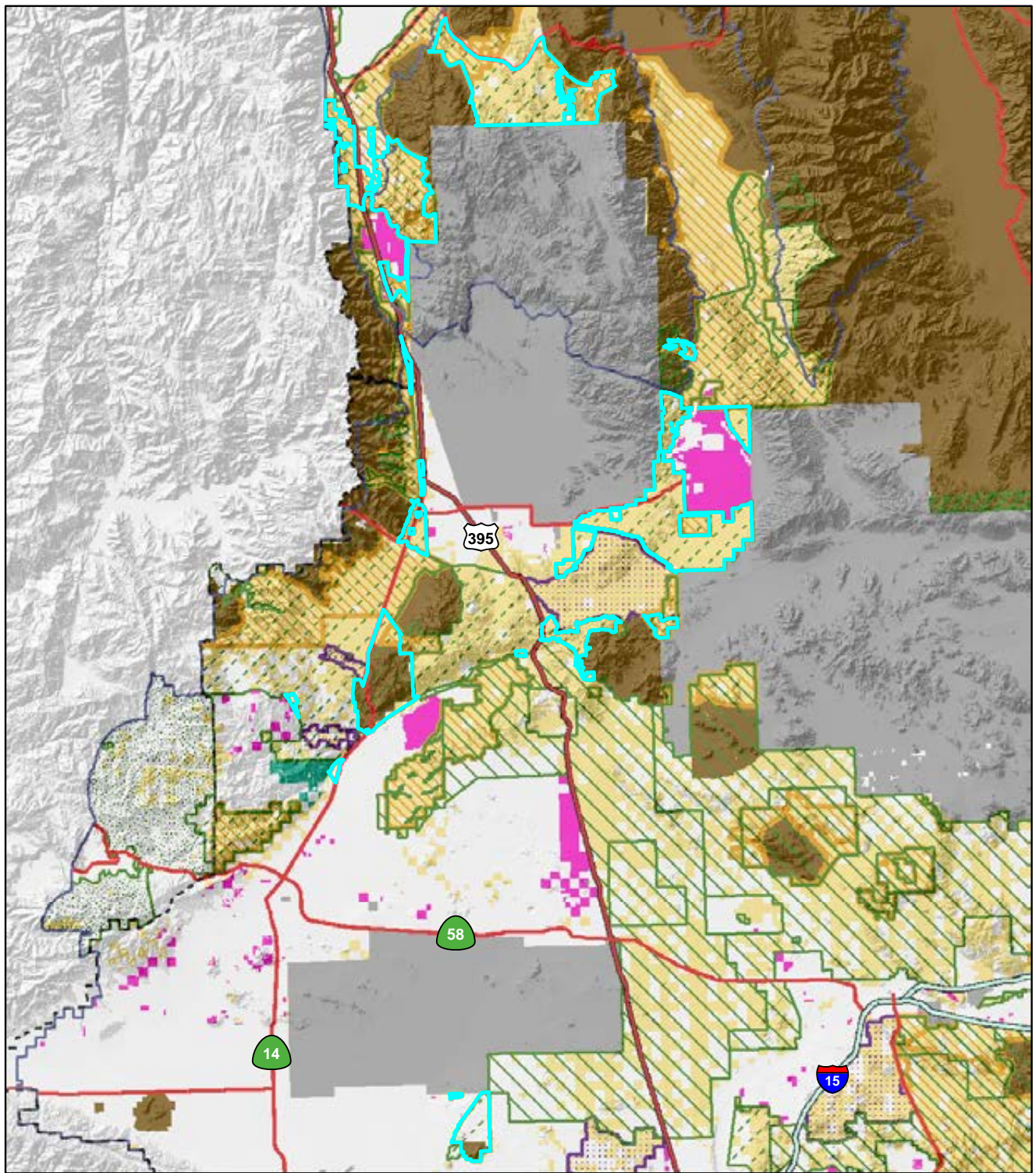
<ul style="list-style-type: none"> <li>• Ensure food species for the Mohave ground squirrel are maintained (spiny hopsage, winterfat and Atriplex sp.)</li> <li>• Monitor to ensure diverse vegetation with Rangeland Health Standards</li> </ul>	
<p>Objective: Protect and enhance habitat to maintain stable or increasing population trends of special status species to ensure persistence:</p> <p>Management Actions:</p> <ul style="list-style-type: none"> <li>• Designate Mohave ground squirrel as priority species for management and protection.</li> <li>• Maintain stable or increasing population trends of special status species to ensure persistence:  American Badger (<i>Taxidea taxus</i>) State Special Animal  Desert Tortoise (<i>Gopherus agassizii</i>) Federally and State threatened  Prairie Falcon (<i>Falco mexicanus</i>) USFWS Bird of Conservation Concern  Burrowing Owl (<i>Athene cunicularia</i>) BLM Sensitive  Le Conte's Thrasher (<i>Toxostoma lecontei</i>) State Species of Special Concern  Loggerhead Shrike (<i>Lanius ludovicianus</i>) BLM Sensitive  Golden Eagle (BLM Sensitive)</li> </ul>	<p>Fish and Wildlife (incl. special status species)</p>
<p><b>Objective 1:</b> Protect biodiversity and manage for resilience (protect climate refugia and provide for migration corridors).</p> <p>Management Actions</p> <ul style="list-style-type: none"> <li>• Prioritize habitat enhancement in areas expected to provide for the greatest level of resiliency (good response or rehabilitation results after significant disturbance such as fire) and or resistance to change (e.g. climate refugia).</li> <li>• Consider actions that enhance the primary productivity of climate refugia with native species restoration, reduced soil surface disturbance, and habitat infrastructure to increase carrying capacity of refugia (e.g., wetland, oasis).</li> <li>• Maintain migration corridor integrity by minimizing obstructions (fences, roads), disturbances (limiting access to water and shade during peak temperatures) and habitat fragmentation.</li> </ul> <p><b>Objective 2:</b> Maintain and or enhance key ecosystem processes (e.g., carbon sequestration, water residence time) and prepare and respond to significant disturbances to the environment (e.g. floods).</p> <p>Management Actions:</p> <ul style="list-style-type: none"> <li>• Develop proactive and responsive management actions for potentially dangerous and damaging disturbances to the environment, which are exacerbated by climate change (e.g. wildfire, flash floods, etc.).</li> <li>• Minimize carbon sequestration losses from management activities by reducing impacts to vegetation, soil structure and soil biota.</li> <li>• Leverage disturbance events and other landscape changes, when possible, as opportunities to assess climate adaptation actions. For example, revegetation objectives for projected climate scenarios benefiting multiple ecosystem services (habitat and carbon sequestration objectives).</li> </ul>	<p>Climate Change and Adaptation</p>



<p>Objective: Provide for the use of the designated travel system to provide access to the public lands while protecting the significant values of the area. Allowable Uses: Motorized, non-motorized, Non-mechanized, including casual as well as permitted use</p> <p>Management Action: Sign designated routes routinely</p> <p>Management Action: Use minimization criteria for designating routes in Mohave ground squirrel and Desert tortoise habitat.</p> <p>Management Action: Increase information to public and patrols</p> <p>Management Action: Except in the Spangler Hills Open OHV recreation area, No timed (speed) events will be permitted.</p> <p>Dual Sport Events allowed only from September to February</p> <p>Management Action: Designated routes will be signed and managed in accordance to the local Travel Management Plan, as funding allows. Unauthorized routes will be rehabilitated/restored as funding allows. Identify access routes which minimize impact to resources. Limit vehicles to open designated routes by signing, fencing, and barriers as funding allows.</p>	Trails and Travel Management
<p>Objective: Provide dispersed opportunities for enjoyment of the CA attributes</p> <p>Allowable Uses: All forms of casual and permitted recreational uses are allowed including but not limited to dispersed camping, hunting, photography, picnicking, climbing, rock hounding, astronomy/star gazing, nature study and viewing.</p> <p>Management Action: Increase information to public, maintain signs, vehicle barriers and kiosks, and work with volunteers to clean-up parking and camping areas on a regular basis. Increase compliance with resource protections.</p>	Recreation
<p>Objective: Consolidate through tenure adjustment.</p> <p>Management Action: Acquire inholdings, edgeholdings and other interests from willing sellers.</p>	Land Tenure
<p>Objective: Protect resource values of the ACEC</p> <p>Management Action: Land use authorization proposals (new, renewal, and amendment) will be analyzed on a case-by-case basis to assess whether they are compatible with the ACEC and its management goals.</p>	Rights of Way
<p>Objective: Maintain integrity of large blocks of habitat</p> <p>Allowable Uses: Not an allowable use.</p> <p>Renewable energy development is not compatible with NLCS and ACEC unit values and criteria</p> <p>ACECs are closed to geothermal leasing and development unless they overlap with a DFA where geothermal is allowed. Where there is overlap, ACECs are open to geothermal leasing with an NSO stipulation.</p>	Renewable Energy
<p>Objective: Support the national need for reliable and sustainable domestic minerals while protecting the sensitive resources in the area.</p>	Locatable Minerals Mineral Materials

Management Actions: New proposals will need to be analyzed at on a case-by-case basis and cumulatively, to assess whether they can be accommodated within the CA and its management goals (within 1 % disturbance cap).	Non-energy Leasables
<p>Objective: Provide for livestock grazing opportunities in a manner that limits impacts on other resources</p> <p>Allocations: Adjust livestock use where monitoring data indicate changes are necessary to meet resource objectives. This ACEC is part of the Cantil Common, Darwin, Hansen Common, Hunter Mountain Lee Flat, Lacey-Cactus-McCloud, Olancho Common, Rudnick Common, Spangler Hills, and the Tunawee grazing allotments.</p> <p>Management Actions: Manage grazing authorizations to meet or exceed the Standards for Rangeland Health.</p>	Livestock grazing





### Conservation Footprint

- Legislatively & Legally Protected Areas
- National Conservation Lands
- ACEC Boundaries**
- 0.1% Disturbance Cap
- 0.25% Disturbance Cap
- 0.5% Disturbance Cap
- 1% Disturbance Cap
- Wildlife Allocation

- DRECP Boundary
- CDCA Boundary

### Renewable Footprint

- Development Focus Areas
- Variance Process Lands

- OHV Boundary
- Land Status**
- Bureau of Land Management
- Department of Defense

## Mojave Ground Squirrel ACEC



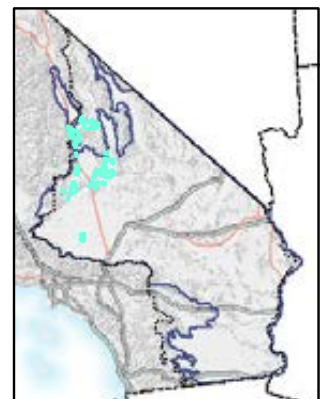
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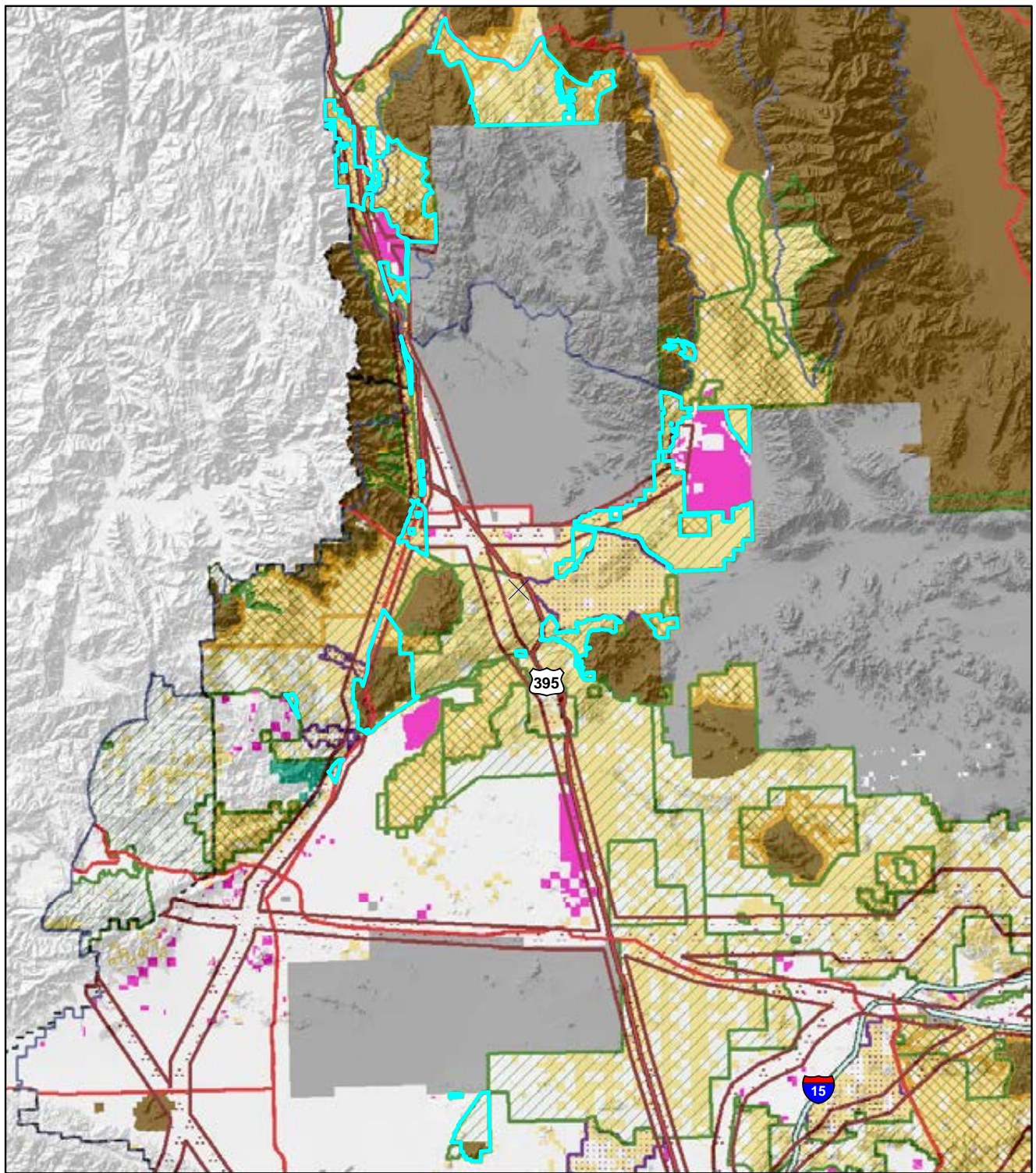
0 10 20  
Miles

Draft Map Boundaries Subject to Change

1298







### Conservation Footprint

- Legislatively & Legally Protected Areas
- National Conservation Lands
- Proposed ACEC

### Renewable Footprint

- Development Focus Areas
- Variance Process Lands

- DRECP Boundary
- CDCA Boundary
- Transmission Corridor
- OHV Boundary

### Land Status

- Bureau of Land Management
- Department of Defense

## Mojave Ground Squirrel ACEC

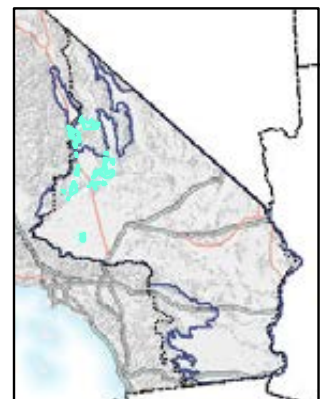


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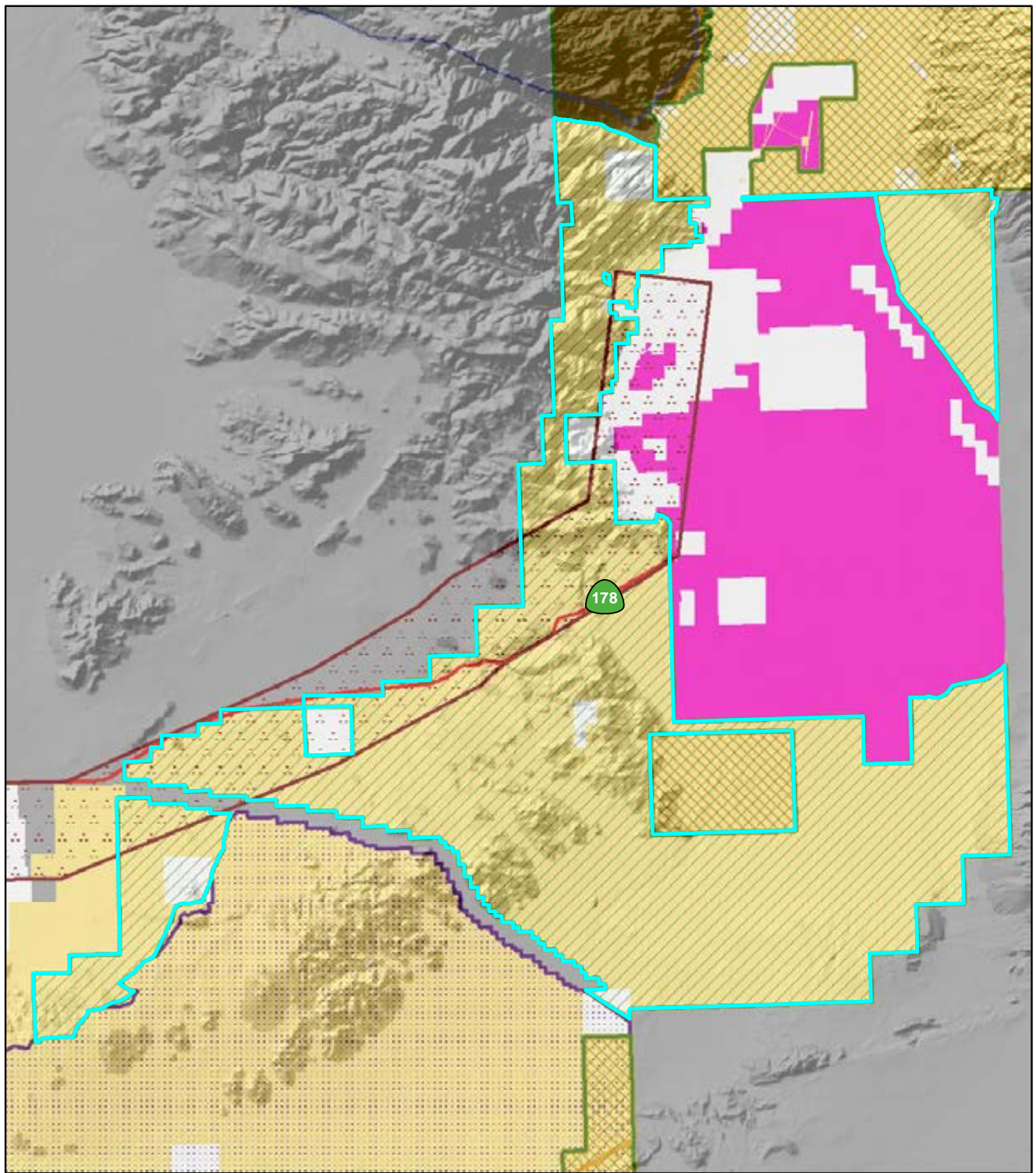


0 10 20  
Miles

Draft Map Boundaries Subject to Change







### Conservation Footprint

- Legislatively & Legally Protected Areas
- National Conservation Lands
- Proposed ACEC

### Renewable Footprint

- Development Focus Areas

- DRECP Boundary
- CDCA Boundary
- Transmission Corridor
- OHV Boundary

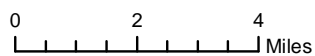
### Land Status

- Bureau of Land Management
- Department of Defense

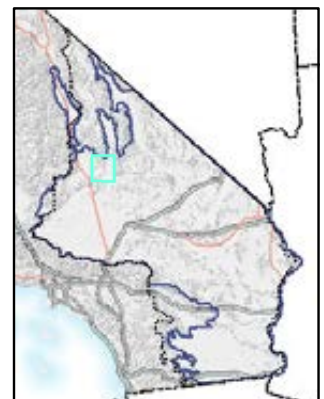
## Mojave Ground Squirrel ACEC



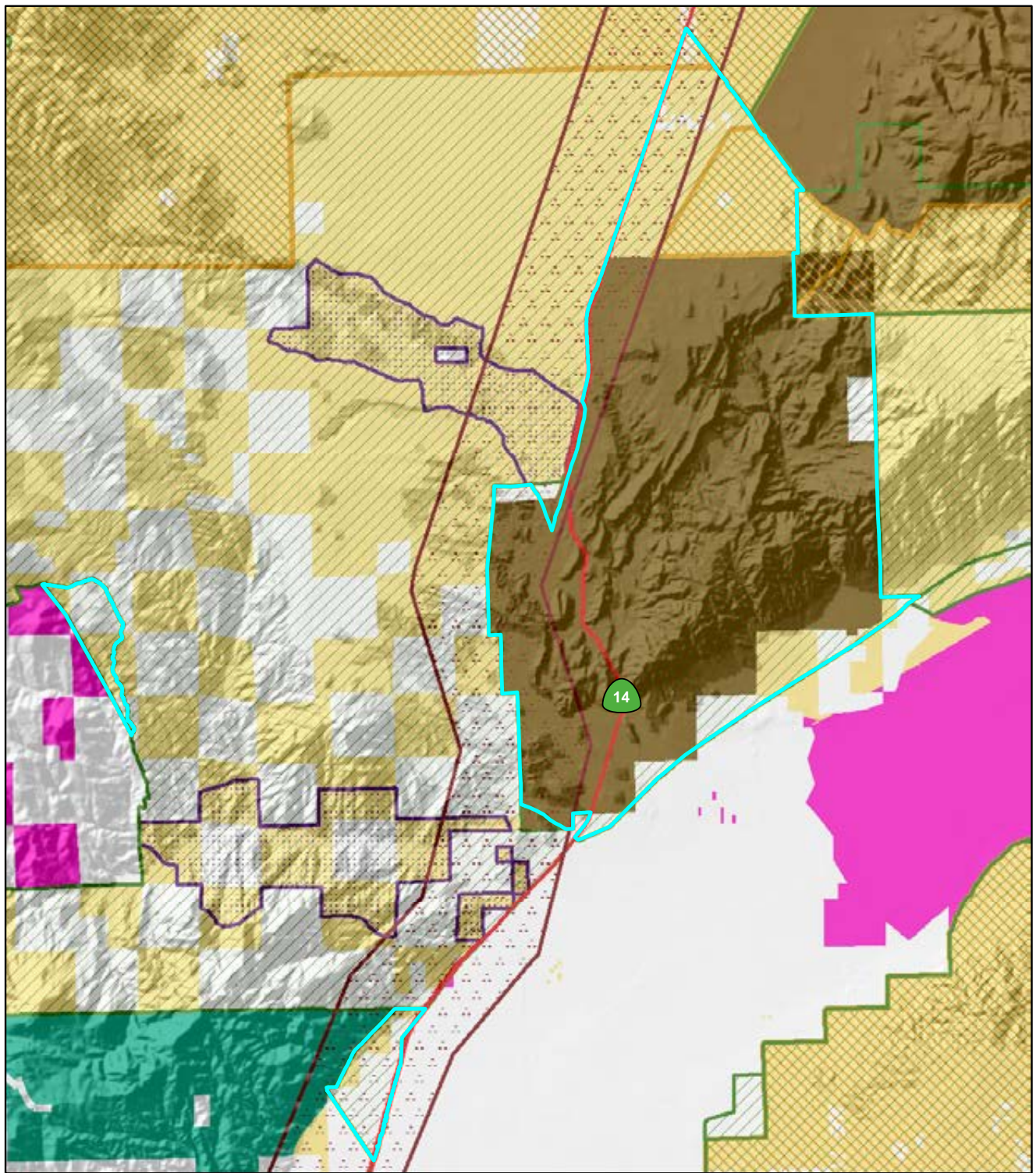
7/14/2015



Draft Map Boundaries Subject to Change







### Conservation Footprint

- Legislatively & Legally Protected Areas
- National Conservation Lands
- Proposed ACEC

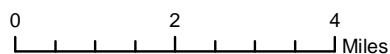
### Renewable Footprint

- Development Focus Areas
- Variance Process Lands

- DRECP Boundary
- CDCA Boundary
- Transmission Corridor
- OHV Boundary

### Land Status

- Bureau of Land Management



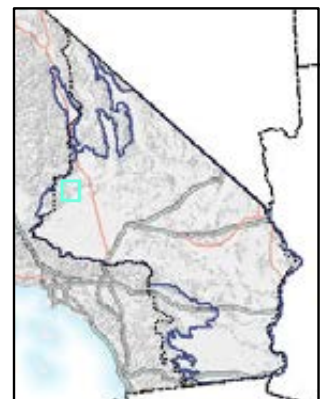
## Mojave Ground Squirrel ACEC



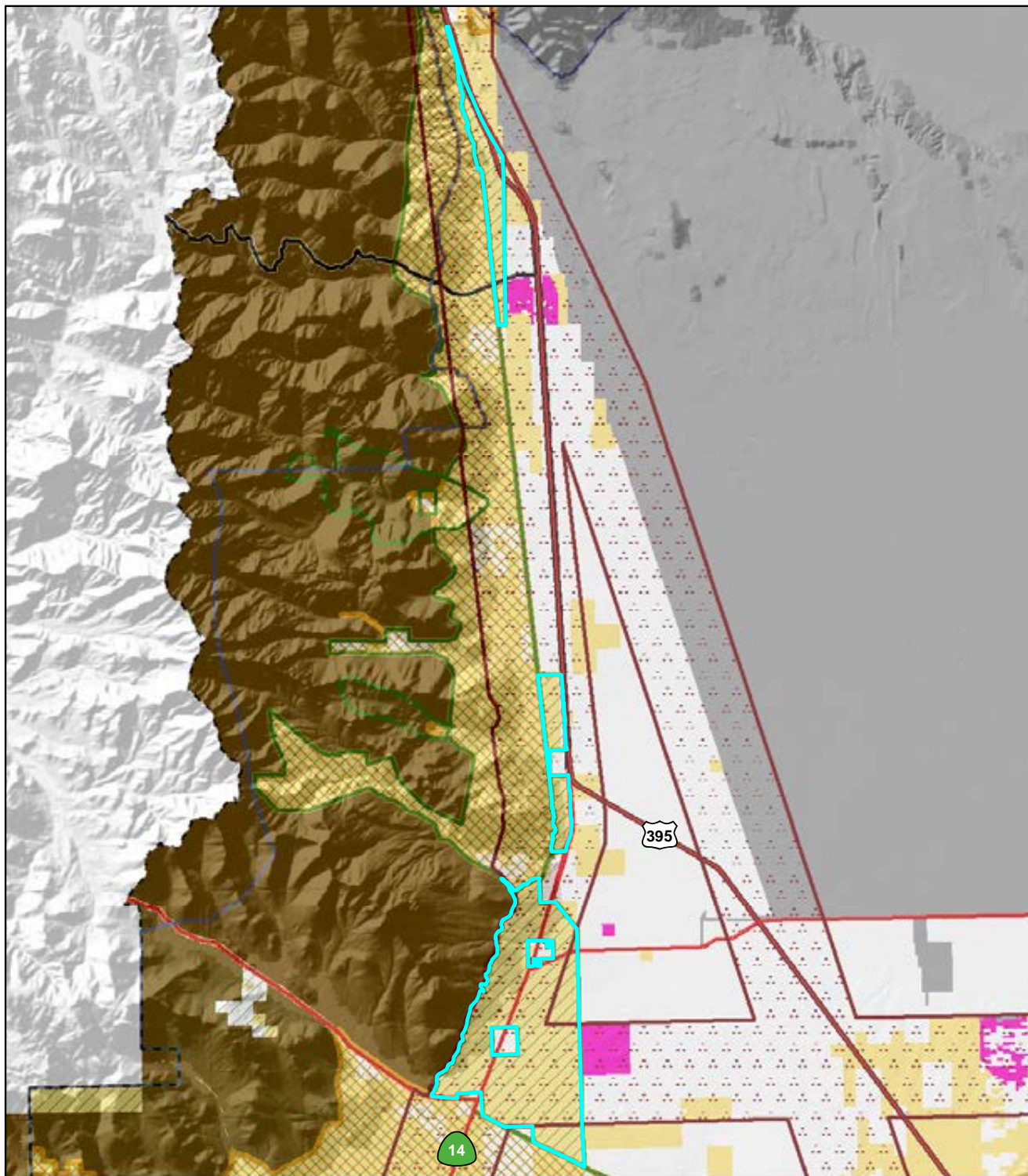
7/14/2015



Draft Map Boundaries Subject to Change







### Conservation Footprint

- Legislatively & Legally Protected Areas
- National Conservation Lands
- Proposed ACEC

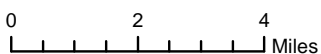
### Renewable Footprint

- Development Focus Areas

- DRECP Boundary
- CDCA Boundary
- Transmission Corridor

### Land Status

- Bureau of Land Management
- Department of Defense



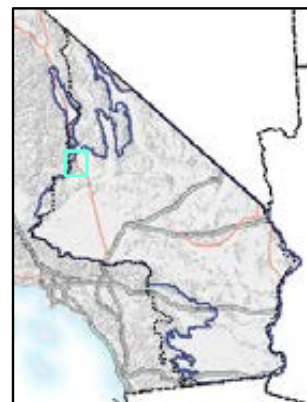
## Mojave Ground Squirrel ACEC



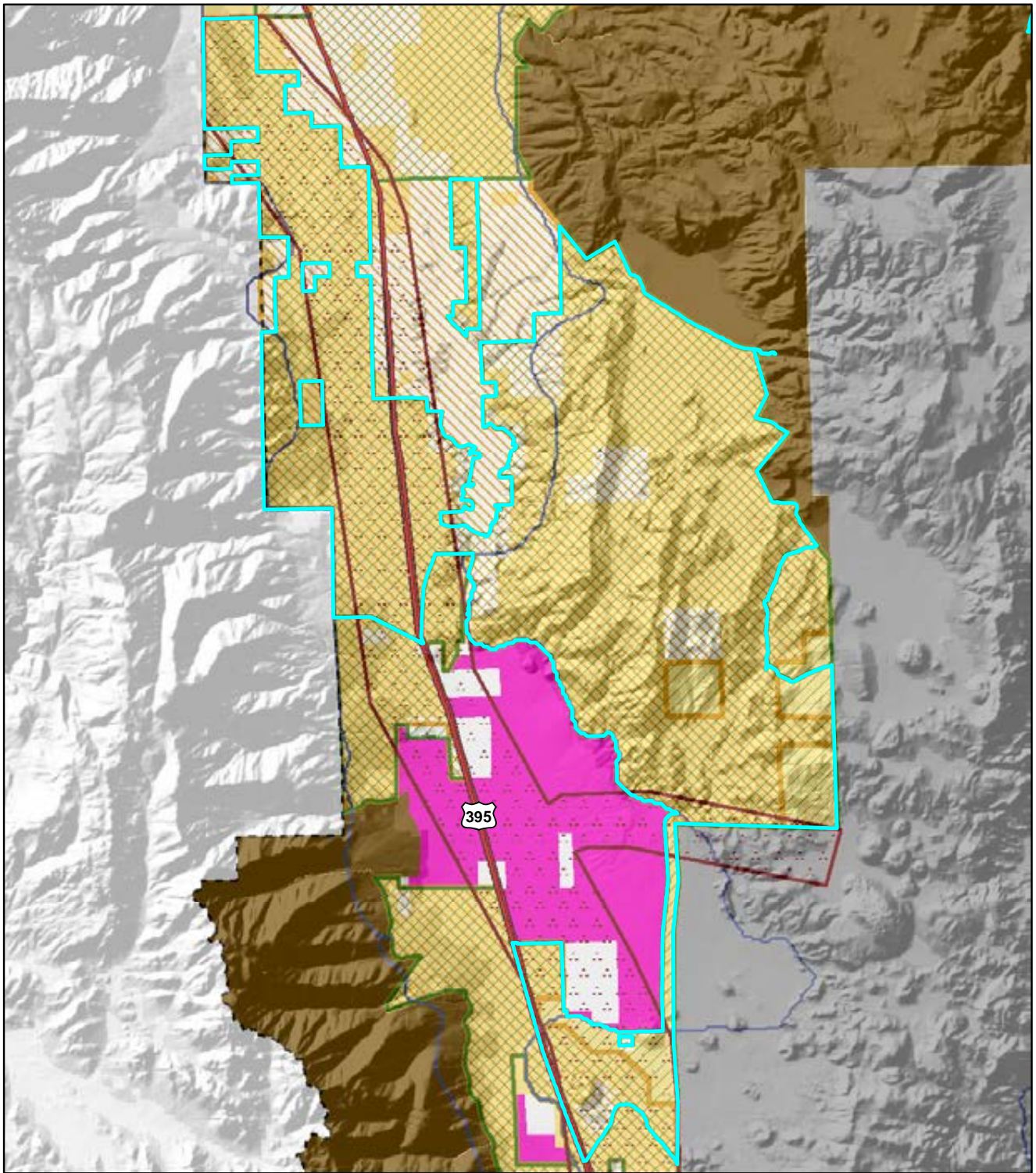
7/14/2015



Draft Map Boundaries Subject to Change







### Conservation Footprint

- Legislatively & Legally Protected Areas
- National Conservation Lands
- Proposed ACEC

### Renewable Footprint

- Development Focus Areas

- DRECP Boundary
- CDCA Boundary
- Transmission Corridor

### Land Status

- Bureau of Land Management
- Department of Defense

## Mojave Ground Squirrel ACEC



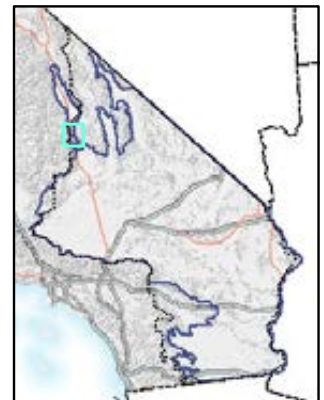
7/14/2015



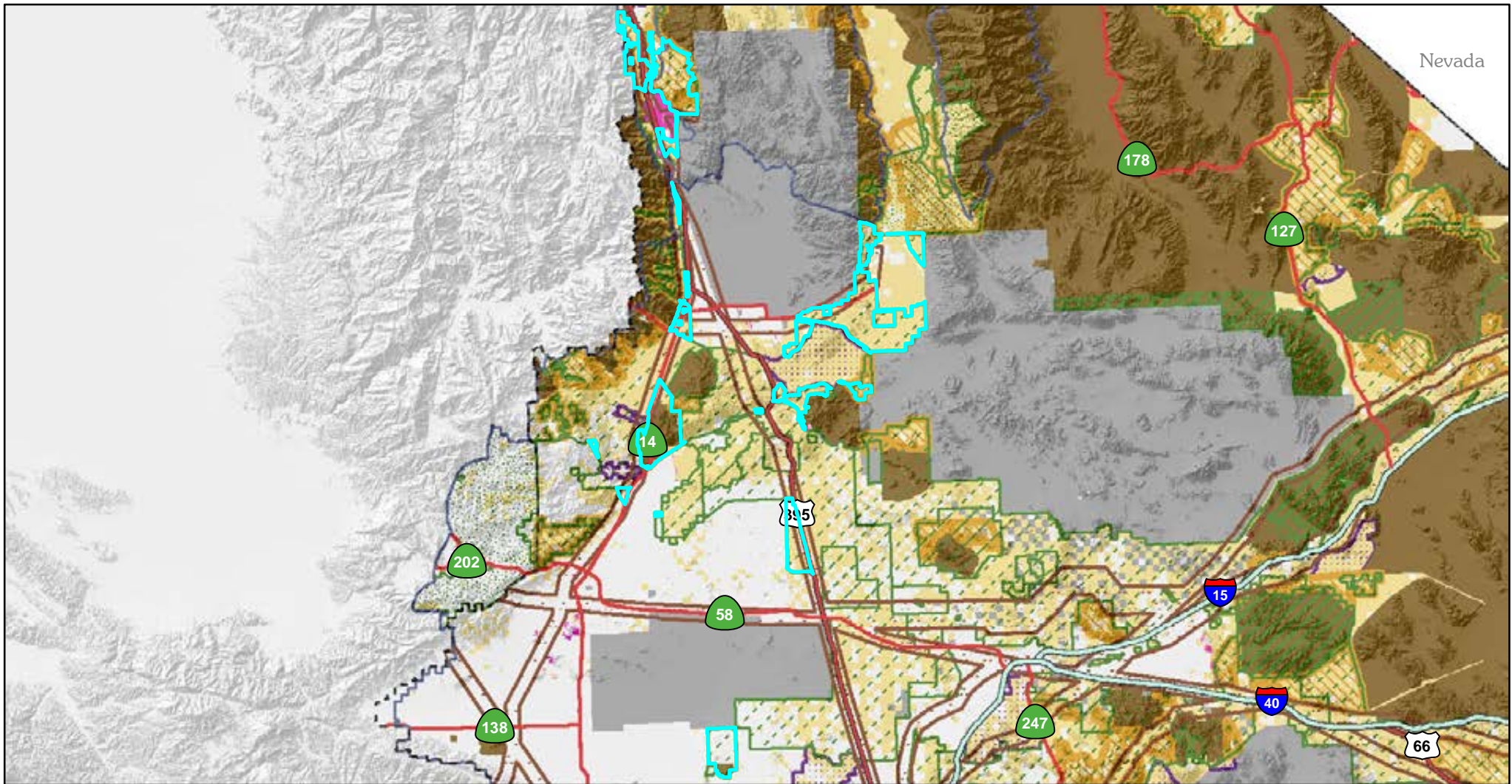
0 2 4 Miles

Draft Map Boundaries Subject to Change

1303







### Conservation Footprint

- Legislatively & Legally Protected Areas
- National Conservation Lands

### ACEC Boundaries

- 0.1% Disturbance Cap
- 0.25% Disturbance Cap
- 1% Disturbance Cap
- Wildlife Allocation

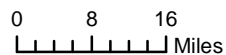
- DRECP Boundary
- CDCA Boundary
- Transmission Corridor
- OHV Boundary

### Renewable Footprint

- Development Focus Areas
- Variance Lands

### Land Status

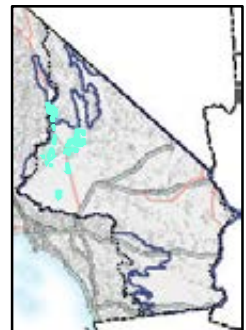
- Bureau of Land Management
- Department of Defense



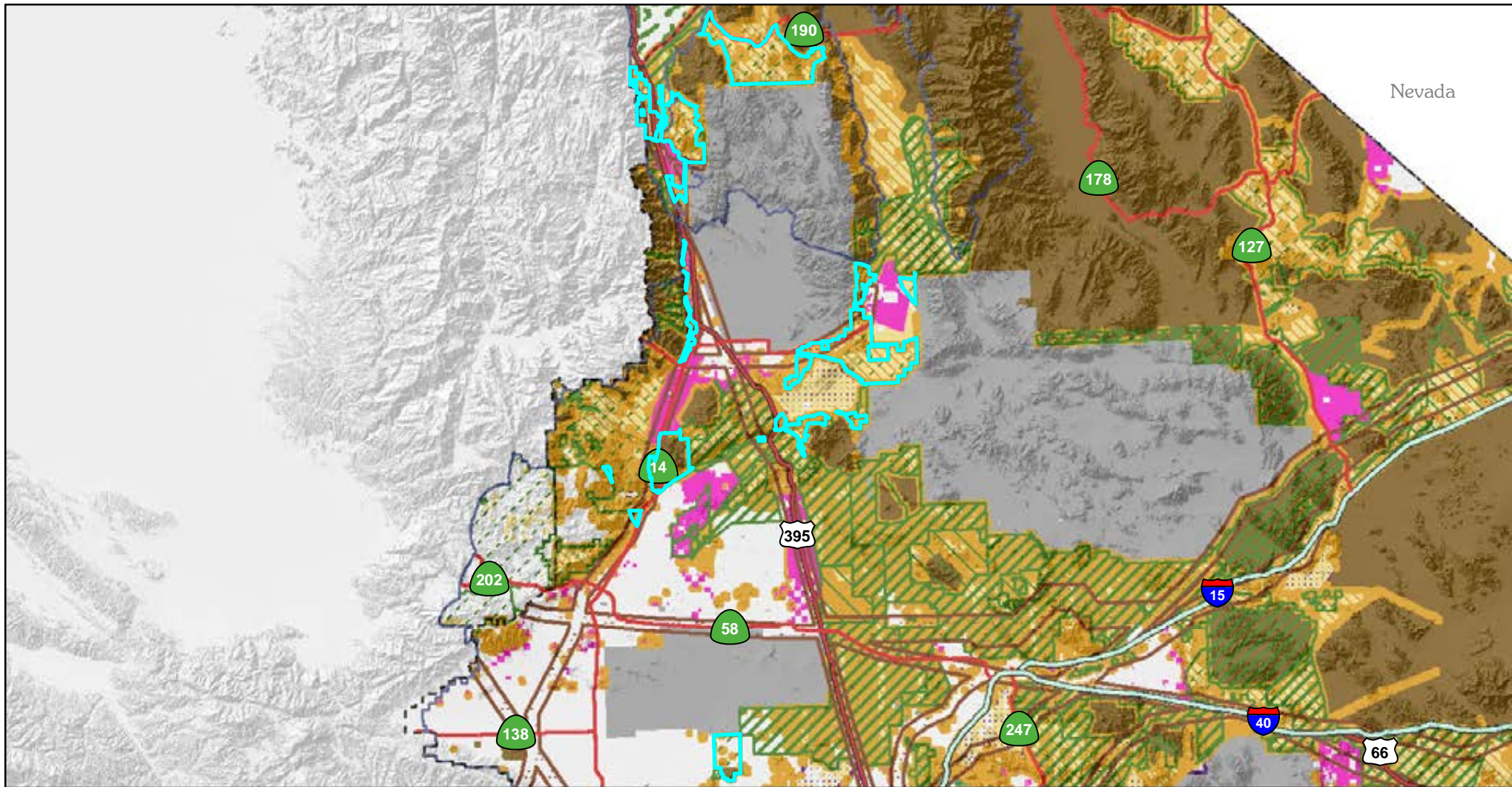
## Mojave Ground Squirrel Alternative 1

8/25/2015

Draft Map Boundaries Subject to Change







## Conservation Footprint

- |   |                             |
|---|-----------------------------|
| Legislatively & Legally Protected Areas | National Conservation Lands |
| <b>ACEC Boundaries</b>                  | DRECP Boundary              |
| 0.1% Disturbance Cap                    | CDCA Boundary               |
| 0.25% Disturbance Cap                   | Transmission Corridor       |
| 0.5% Disturbance Cap                    | OHV Boundary                |
| 1% Disturbance Cap                      |                             |
| Wildlife Allocation                     |                             |

0 8 16  
Miles

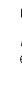
## Renewable Footprint

- |                           |
|---------------------------|
| Development Focus Areas   |
| Future Assessment Areas   |
| <b>Land Status</b>        |
| Bureau of Land Management |
| Department of Defense     |

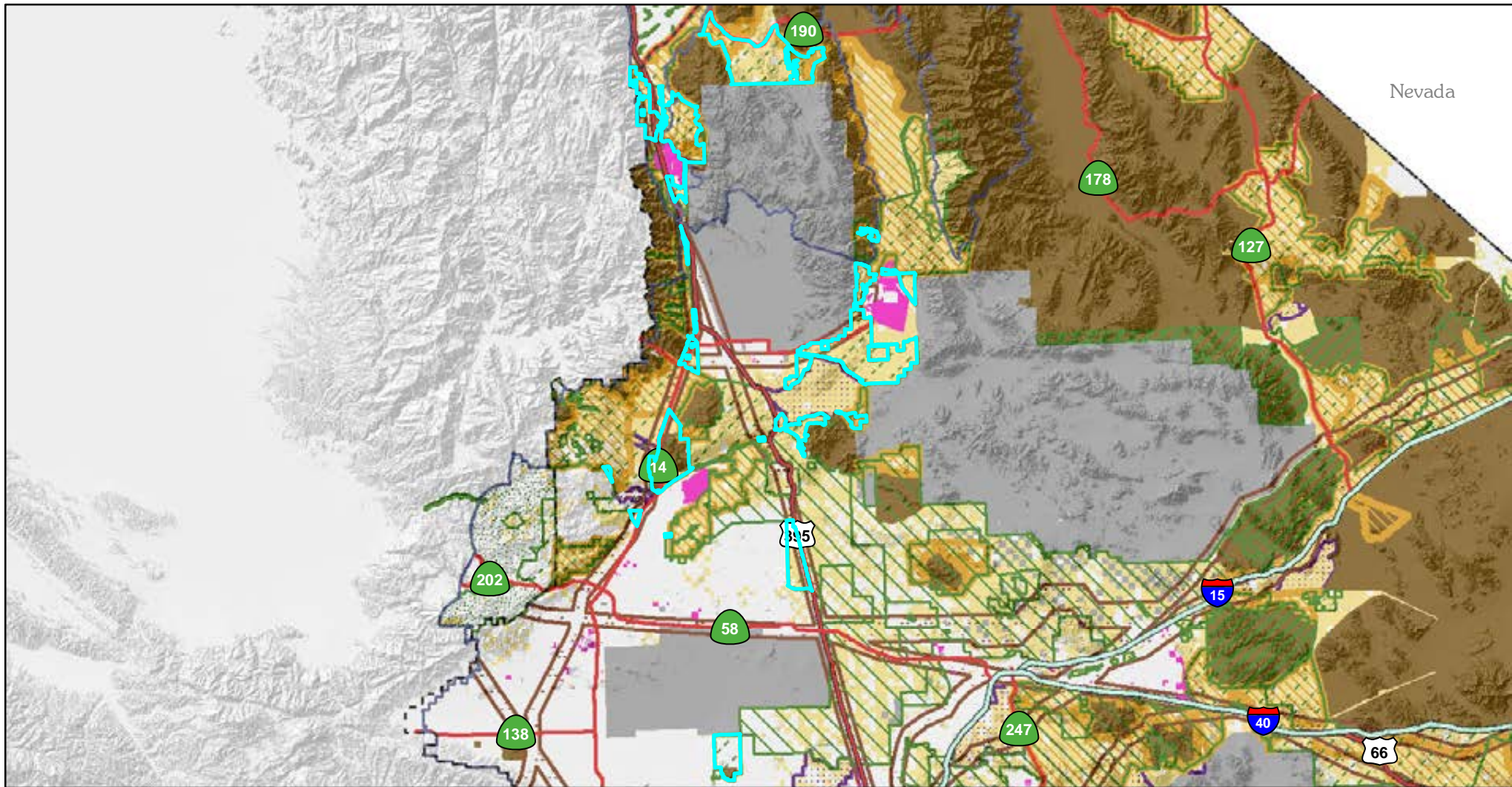
## Mojave Ground Squirrel Alternative 2

8/26/2015

Draft Map Boundaries Subject to Change







## Conservation Footprint

- |   |                             |
|---|-----------------------------|
| Legislatively & Legally Protected Areas | National Conservation Lands |
| <b>ACEC Boundaries</b>                  | DRECP Boundary              |
| 0.1% Disturbance Cap                    | CDCA Boundary               |
| 0.25% Disturbance Cap                   | Transmission Corridor       |
| 0.5% Disturbance Cap                    | OHV Boundary                |
| 1% Disturbance Cap                      |                             |
| Wildlife Allocation                     |                             |

0 8 16  
Miles

## Renewable Footprint

- |                         |
|-------------------------|
| Development Focus Areas |
| Future Assessment Areas |

## Land Status

- |                           |
|---------------------------|
| Bureau of Land Management |
| Department of Defense     |

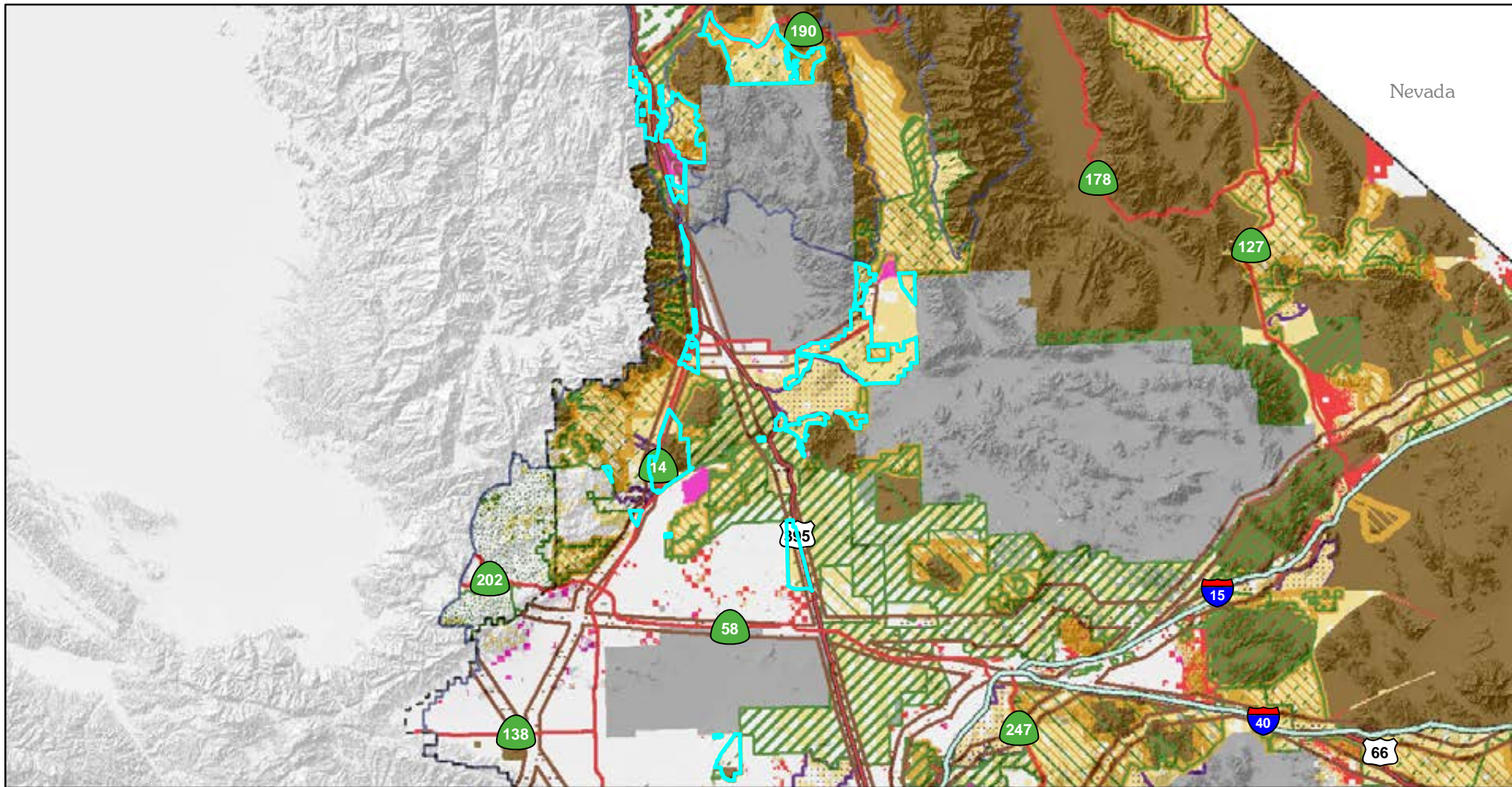
## Mojave Ground Squirrel Alternative 3

8/27/2015

Draft Map Boundaries Subject to Change







## Conservation Footprint

- |   |                             |
|---|-----------------------------|
| Legislatively & Legally Protected Areas | National Conservation Lands |
| <b>ACEC Boundaries</b>                  | DRECP Boundary              |
| 0.1% Disturbance Cap                    | CDCA Boundary               |
| 0.25% Disturbance Cap                   | OHV Boundary                |
| 0.5% Disturbance Cap                    | Transmission Corridor       |
| 1% Disturbance Cap                      |                             |
| Wildlife Allocation                     |                             |

0 8 16  
Miles

## Renewable Footprint

- |                         |
|-------------------------|
| Development Focus Areas |
| Variance Lands          |

## Land Status

- |                           |
|---------------------------|
| Bureau of Land Management |
| Department of Defense     |

## Mojave Ground Squirrel Alternative 4

8/27/2015

Draft Map Boundaries Subject to Change





## Sand Canyon

**National Conservation Lands Ecoregion:** West Desert and Eastern Slopes

**Description/Location:** Canyon originates on the eastern slope of the southern Sierra Nevada

**Nationally Significant Values:**

**Ecological:** The canyon is currently the location of the Sand Canyon Environmental Education Program, a BLM nationally recognized youth outdoor program. This program involves teaching all 4<sup>th</sup> graders in area about desert and riparian ecosystems, history, and archaeology.

**Cultural:** Prehistoric resources within the canyon have not been formally evaluated, but are considered eligible for listing on the National Register of Historic Places. The First Los Angeles Aqueduct is listed on the Register of Historic Civil Engineering Landmarks. Recent survey and recordation of the Aqueduct has identified the LAA and its associated camps and features eligible for listing on the National Register

**Special Designations/Management Plan/Date:** ACEC Plan #11/1989

**Relevant and Important Criteria:** This canyon contains exceptional diversity of flora and fauna, and its scenic value attracts many visitors. One of the most diverse areas in the West Mojave for small mammals, reptiles and birds. This riparian area is an important stopover for migratory birds. A broad array of species provides some of the most prolific and consistent wildflower blooms in the California Desert. The area also contains excellent habitat for the federally and state threatened desert tortoise. Some areas within the ACEC provide a combination of meteorological, geological, hydrological, topographical features that have been identified as important climate refugia (slow/minimized climate changes) for wildlife species. Prehistoric and historic cultural values exist within this area. These include prehistoric habitation sites associated with the perennial water source in the canyon, and a large labor camp associated with the construction of the Los Angeles Aqueduct.

**Recreation Area:** This unit overlaps with the East Sierra SRMA.

**Grazing Allotment:** This unit overlaps with the Walker Pass allotment.

**Overarching Goals:** Protect and enhance riparian habitat and the wildlife resources that utilize it. Conserve ecosystem resources so that Sand Canyon can be an outdoor teaching laboratory to serve local communities.

Where the CMAs in this Special Management Plan conflict from the CMAs included in Volume II of the Proposed LUPA and Final EIS, the more restrictive CMA would be applied (i.e. management that best supports resource conservation and limits impacts to the values for which the conservation unit was designated), unless otherwise specified.

If this area is included in the National Conservation Lands, the BLM will manage this area to protect the Nationally Significant Values above. Appropriate multiple uses will be allowed, consistent with this Special Unit Management Plan and the CMAs in Volume II. If an activity is not specifically covered by the CMAs, it will be allowed if it is consistent with the Nationally Significant Values, but prohibited if the uses conflict with those values.

<b>Designation and Acreage by Alternative:</b>				
Alternative	BLM Acres of NLCS within ACEC or Wildlife Allocation	BLM Acres within ACEC	BLM Acres within Wildlife Allocation	ACEC Disturbance Cap
No Action	0	2,600	0	NA
Preferred Alternative	506	2,600	0	1%
1	400	2,600	0	1%
2	2,600	2,600	0	1%
3	500	2,600	0	1%
4	400	2,600	0	1%
<b>* Acreage values are for BLM managed lands</b>				
<b>Objectives (desired future condition)/Allowable Uses/Management Actions</b>			<b>Resource</b>	
<p>Objective: Protect quality and quantity of in stream flow of perennial stream</p> <p>Management Action: Eliminate diversion of water by the Cal-Ci-Co Sand and Gravel operation</p> <p>Management Action: Regulate livestock grazing near perennial portion of stream</p> <p>Management Action: Construct alternate water source for cattle outside of enclosure fence around perennial stream</p> <p>Management Action: Monitor bacteria in stream from livestock grazing and human activity adjacent to the stream</p>			Soil, water, air	
<p>Objective: Protect and enhance the vegetation of the riparian habitat</p> <p>Management Action: Build enclosure fence to control cattle grazing in riparian area</p> <p>Management Action: Baseline monitoring of riparian vegetation within and outside of enclosure fence</p>			Vegetation (incl. special status species)	
<p>Objective: Protect and enhance habitat to maintain stable or increasing population trends of special status species to ensure persistence</p> <p>Management Action: Designate Species below as priority species for management and protection:</p> <p>Desert Tortoise (<i>Gopherus agassizii</i>) Federally and State threatened</p> <p>Mohave ground squirrel (<i>Spermophilus mohavensis</i>) State threatened</p> <p>Yellow-eared pocket mouse (<i>Perognathus xanthonotus</i>) BLM sensitive</p> <p>Golden Eagle (<i>Aquila chrysaetos</i>) BLM sensitive, Bald and Golden Eagle P. Act</p> <p>Management Action: Coordinate with California Department of Fish &amp; Game to determine areas that warrant closure to shooting.</p>			Fish and Wildlife (incl. special status species)	
<p><b>Objective 1:</b> Protect biodiversity and manage for resilience (protect climate refugia and provide for migration corridors).</p> <p>Management Action 1: Prioritize habitat enhancement in areas expected to</p>			Climate Change and Adaptation	

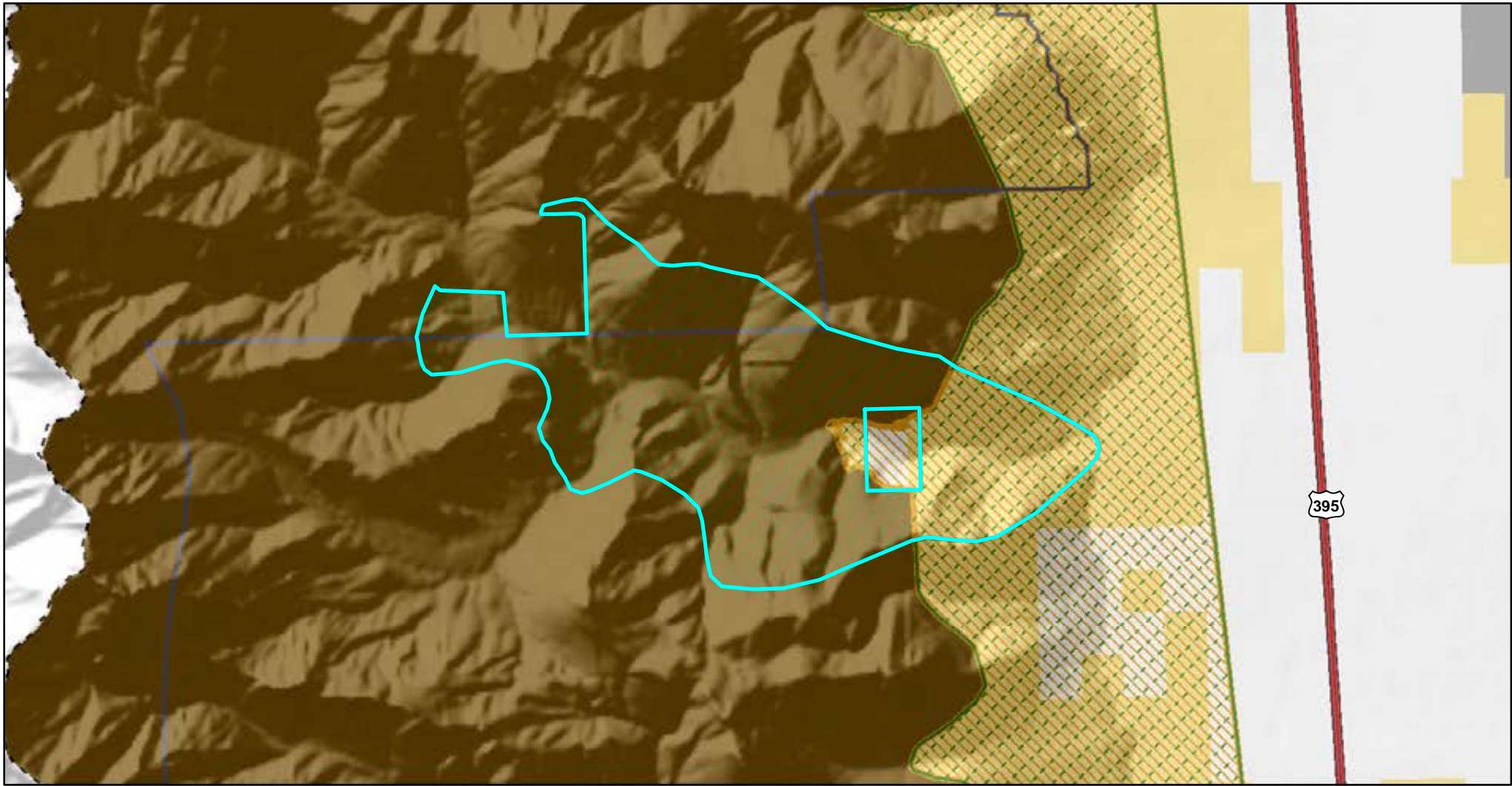


<p>provide for the greatest level of resiliency (good response or rehabilitation results after significant disturbance such as fire) and or resistance to change (e.g. climate refugia).</p> <p>Management Action 2: Consider actions that enhance the primary productivity of climate refugia with native species restoration, reduced soil surface disturbance, and habitat infrastructure to increase carrying capacity of refugia (e.g., wetland, oasis).</p> <p>Management Action 3: Maintain migration corridor integrity by minimizing obstructions (fences, roads), disturbances (limiting access to water and shade during peak temperatures) and habitat fragmentation.</p> <p><b>Objective 2:</b> Maintain and or enhance key ecosystem processes (e.g., carbon sequestration, water residence time) and prepare and respond to significant disturbances to the environment (e.g. floods).</p> <p>Management Action 1: Develop proactive and responsive management actions for potentially dangerous and damaging disturbances to the environment, which are exacerbated by climate change (e.g. wildfire, flash floods, etc.).</p> <p>Management Action 2: Minimize carbon sequestration losses from management activities by reducing impacts to vegetation, soil structure and soil biota.</p> <p>Management Action 3: Leverage disturbance events and other landscape changes, when possible, as opportunities to assess climate adaptation actions. For example, revegetation objectives for projected climate scenarios benefiting multiple ecosystem services (habitat and carbon sequestration objectives).</p>	
<p><b>Objective:</b> Limit vehicles to open designated routes as per the local Travel Management plan and prevent user-created routes from developing.</p> <p><b>Allowable Uses:</b> Motorized, non-motorized, Non-mechanized,</p> <p><b>Management Actions:</b> Sign designated routes routinely</p> <p>Rehabilitate unauthorized vehicle play areas and hill climbs as funding allows, particularly where off-route vehicle use is creating problems for wildlife and visual resources.</p> <p>Avoid designating routes in high value streams and riparian areas. Where routes need to cross streams and riparian areas, they will be managed appropriately to minimize impacts.</p> <p>Avoid designating routes where they are not sustainable, i.e., on steep, loose sandy and/or gravelly slopes. Attempt to re-route routes so they switch back down slopes instead of plummeting straight down.</p> <p>Use minimization criteria for designating routes in Mohave ground squirrel and Desert tortoise habitat.</p> <p>Increase information to public.</p> <p>For complete description, see Eastern Sierra SRMA</p>	<p>Trails and Travel Management</p>

<p>Objective: Protect sensitive riparian resources (i.e. nesting birds) and people from the risk of fire and accidental shooting.</p> <p>Allowable Uses: All forms of casual and permitted recreational uses are allowed including but not limited to dispersed camping, hunting, photography, picnicking, rock hounding, astronomy/star gazing, nature study and viewing.</p> <p>Management Actions: Increase compliance with fire restrictions, camping limits, and vehicle use on the designated route system.</p> <p>Objective: Provide dispersed opportunities for enjoyment of the ACEC attributes</p> <p>Management Action: Increase information to public, maintain signs, vehicle barriers and kiosks, and work with volunteers to clean-up parking and camping areas on a regular basis.</p> <p>Management Action: Designate certain areas for camping to remove impacts from riparian areas.</p> <p>No cutting firewood from the riparian areas.</p>	Recreation
<p>Objective: Consolidate through tenure adjustment.</p> <p>Allowable Uses: Inholding of 80 acres by the Los Angeles Department of Water and Power</p> <p>Management Action: Acquire inholdings, edgeholdings and other interests from willing sellers.</p>	Land Tenure
<p>Objective: Protect resource values of the ACEC</p> <p>Management Action 1: Land use authorization proposals (new, renewal, and amendment) will be analyzed on a case-by-case basis to assess whether they are compatible with the ACEC and its management goals.</p> <p>Management Action 2: No ROWs that alter groundwater regimes.</p>	Rights of Way
<p>Not an allowable use. Renewable energy development is not compatible with NLCS and ACEC unit values and criteria.</p> <p>ACECs are closed to geothermal leasing and development unless they overlap with a DFA where geothermal is allowed. Where there is overlap, ACECs are open to geothermal leasing with an NSO stipulation.</p>	Renewable Energy
<p>Objective: Support the national need for reliable and sustainable domestic minerals while protecting the sensitive riparian and other resources in the area.</p> <p>Allowable Uses: 37 mining claims – interest in gold, copper and tungsten</p> <p>Management Actions: New proposals will need to be analyzed at on a case-by-case basis and cumulatively, to assess whether they can be accommodated within the ACEC and its management goals</p>	Locatable Minerals Mineral Materials Non-energy Leasables
<p>Objective: Provide for livestock grazing opportunities in a manner that limits impacts on other resources</p> <p>Allowable Uses: Entire ACEC is within the Walker Pass Common Allotment managed under the Walker Pass Allotment Management Plan (1984)</p> <p>Area burned extensively in July 2012. Currently no grazing is permitted until rangeland health criteria are met and range improvements have been</p>	Livestock grazing



<p>installed. Do not authorize new allotments or expansion of existing allotment (either in size or increase number of AUMs), if willing relinquishment, would be made unavailable.</p> <p>Management Actions: Manage grazing authorizations to meet or exceed the Standards for Rangeland Health.</p> <p>Provide additional water sources to promote better distribution of livestock and grazing use</p> <p>Control timing of grazing use with periods of rest during critical growth periods</p> <p>Regulate grazing near perennial portion of stream and in riparian habitat by constructing an exclosure. Restrict season of use, fencing and/or provide watering sites away from riparian areas</p>	
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## Conservation Footprint

- |   |                |                           |
|---|----------------|---------------------------|
| Legislatively & Legally Protected Areas | DRECP Boundary | Land Status               |
| National Conservation Lands             | CDCA Boundary  | Bureau of Land Management |
| ACEC Boundaries                         |                | Department of Defense     |
| 1% Disturbance Cap                      |                |                           |

0 0.5 1 Miles

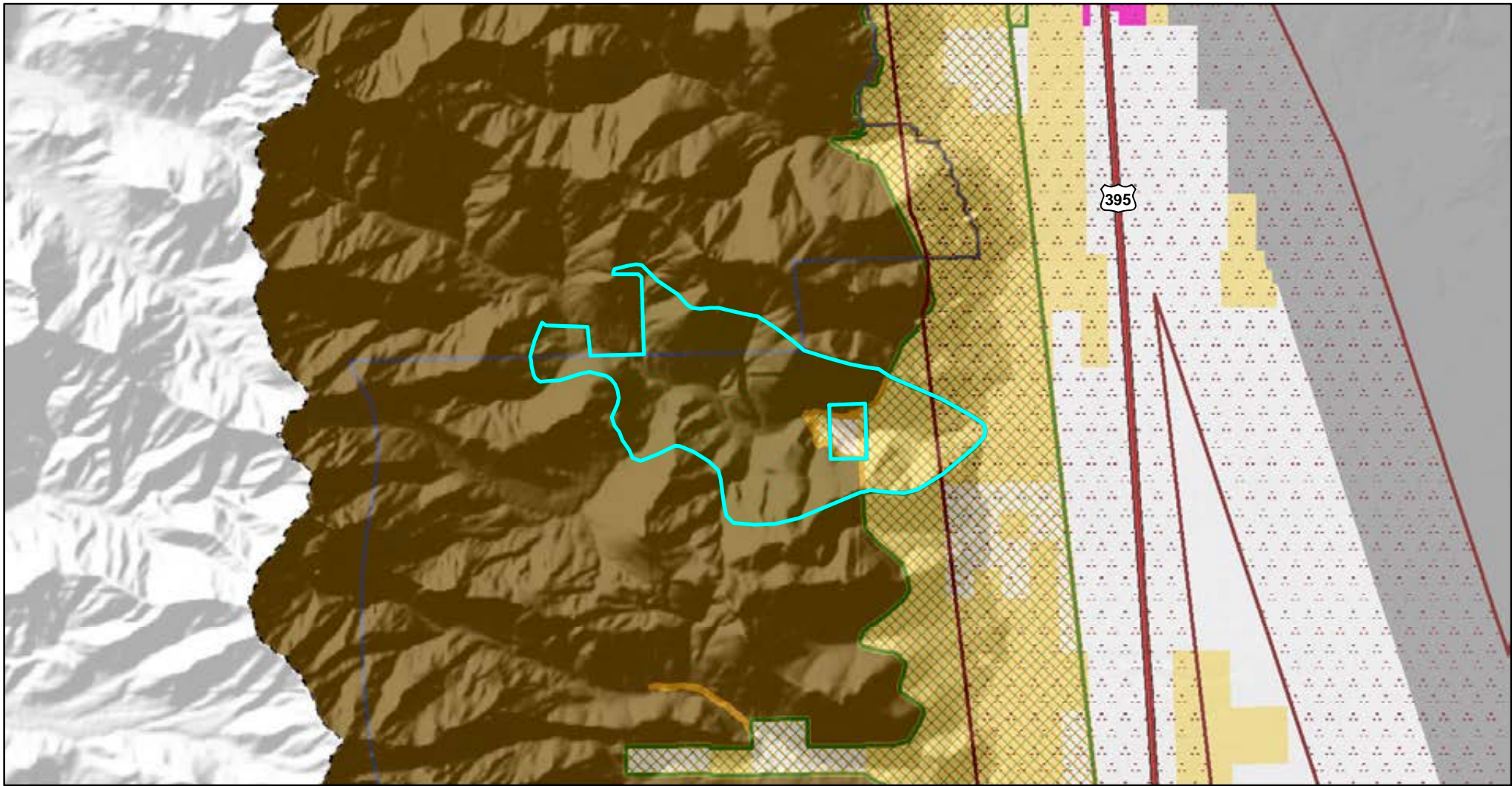
## Sand Canyon

6/24/2015




Draft Map Boundaries Subject to Change











## Conservation Footprint



-  Legislatively & Legally Protected Areas
-  National Conservation Lands
-  Proposed ACEC

-  DRECP Boundary
-  CDCA Boundary
-  Transmission Corridor

## Renewable Footprint

-  Development Focus Areas

## Land Status

-  Bureau of Land Management
-  Department of Defense

## Sand Canyon

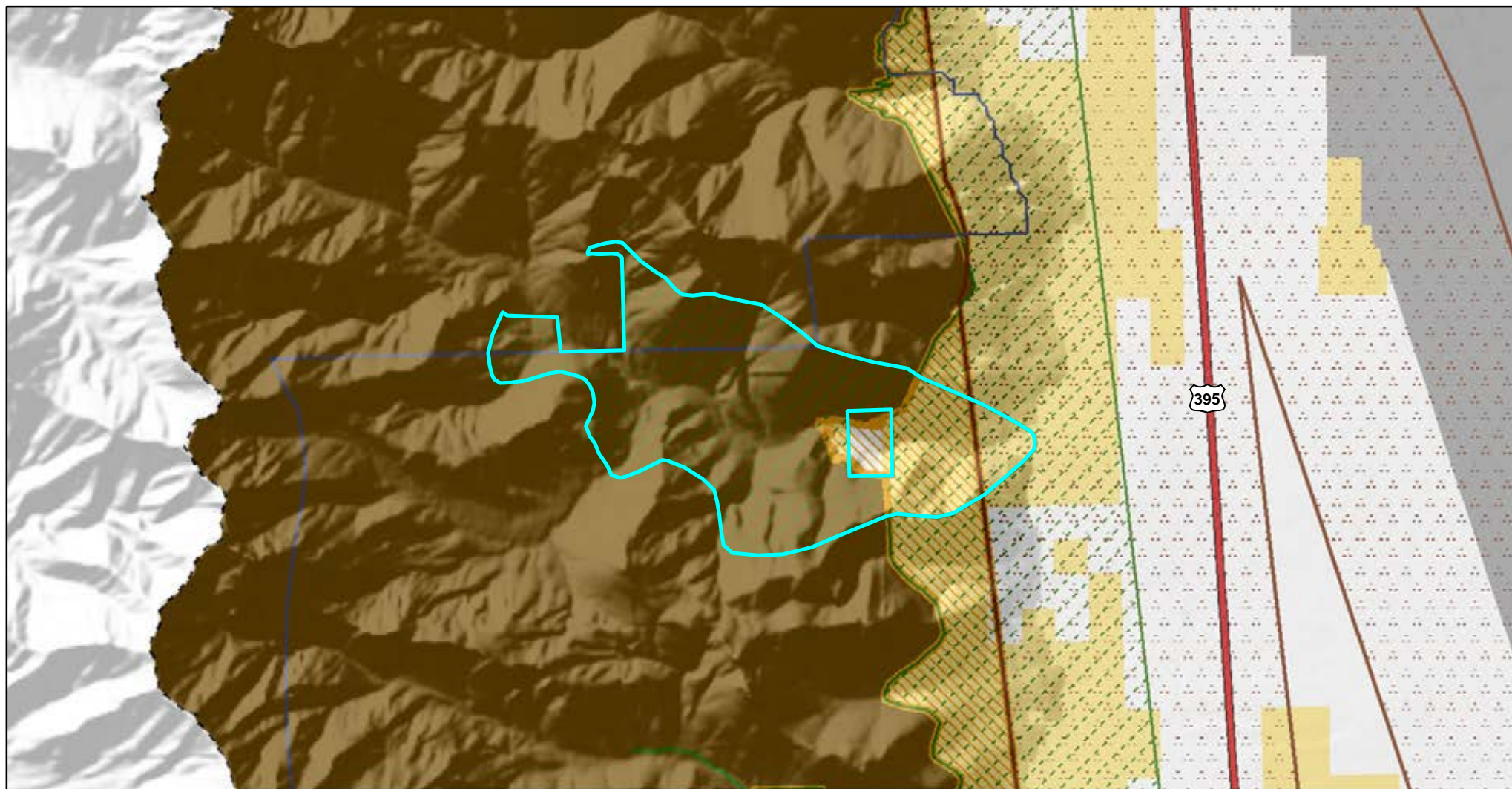
7/14/2015

Draft Map Boundaries Subject to Change

0 1 2 Miles







### Conservation Footprint

Legislatively & Legally Protected Areas

National Conservation Lands

ACEC Boundaries

1% Disturbance Cap

DRECP Boundary

CDCA Boundary

Transmission Corridor

Land Status

Bureau of Land Management

Department of Defense

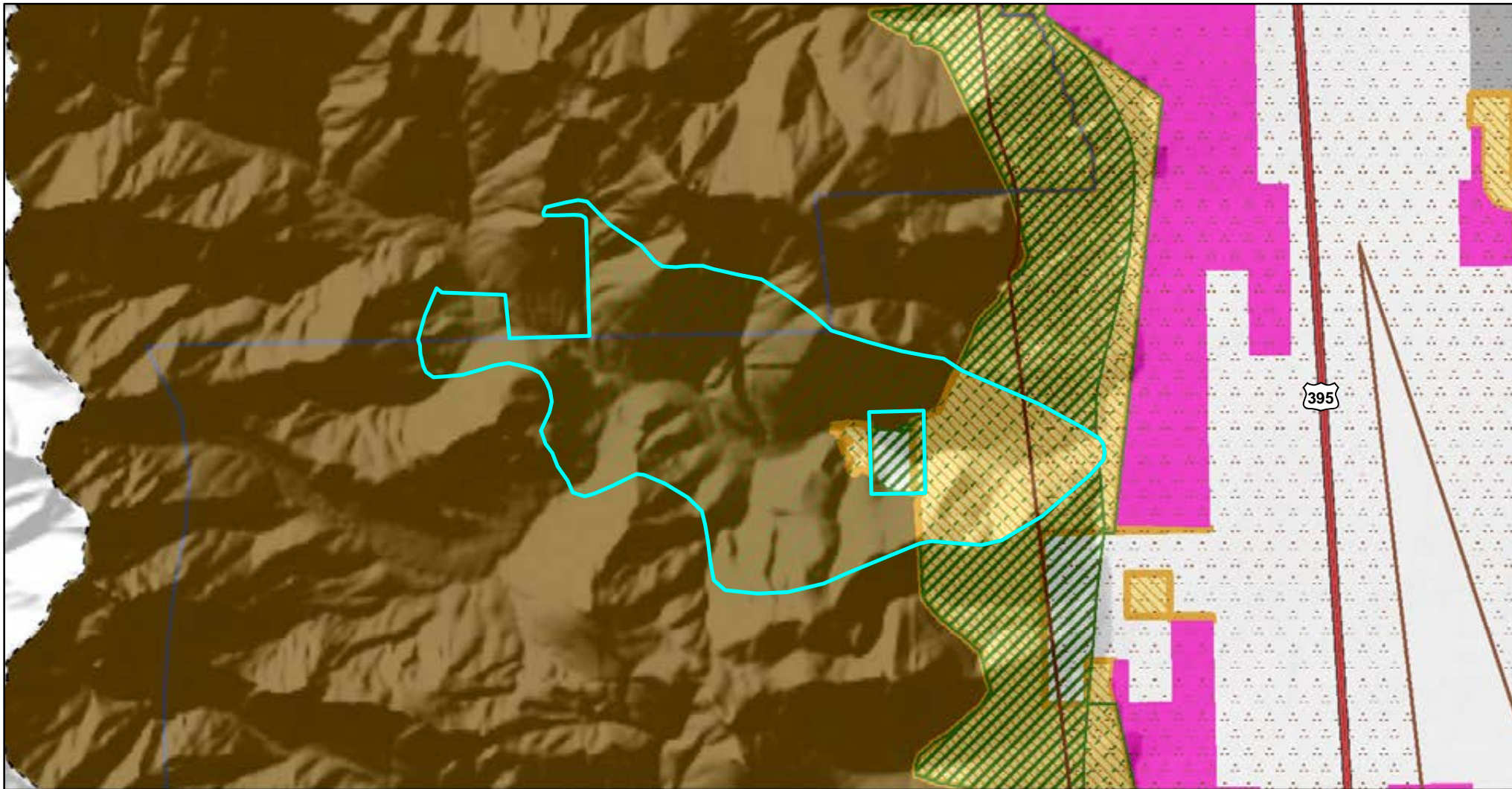
### Sand Canyon Alternative 1

8/25/2015

Draft Map Boundaries Subject to Change










### Conservation Footprint

 Legislatively & Legally Protected Areas

 National Conservation Lands


### ACEC Boundaries

 0.25% Disturbance Cap


 1% Disturbance Cap

 DRECP Boundary


 CDCA Boundary


 Transmission Corridor

### Renewable Footprint

 Development Focus Areas

### Land Status

 Bureau of Land Management

 Department of Defense

## Sand Canyon Alternative 2

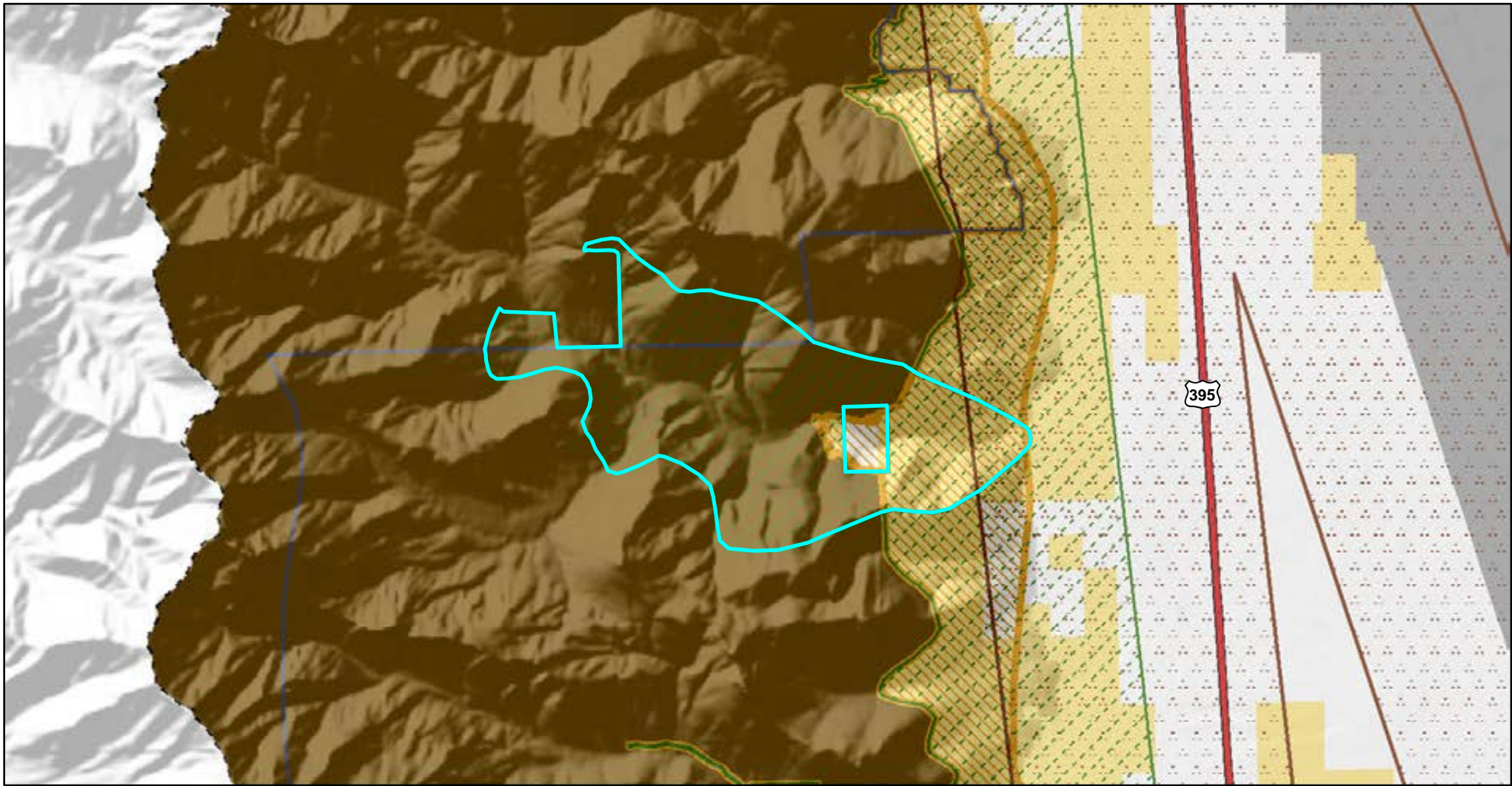
8/26/2015

Draft Map Boundaries Subject to Change


0 0.5 1  
Miles









### Conservation Footprint

 Legislatively & Legally Protected Areas

 National Conservation Lands

### ACEC Boundaries


 1% Disturbance Cap


 DRECP Boundary

 CDCA Boundary

 Transmission Corridor

### Land Status

 Bureau of Land Management

 Department of Defense

## Sand Canyon Alternative 3

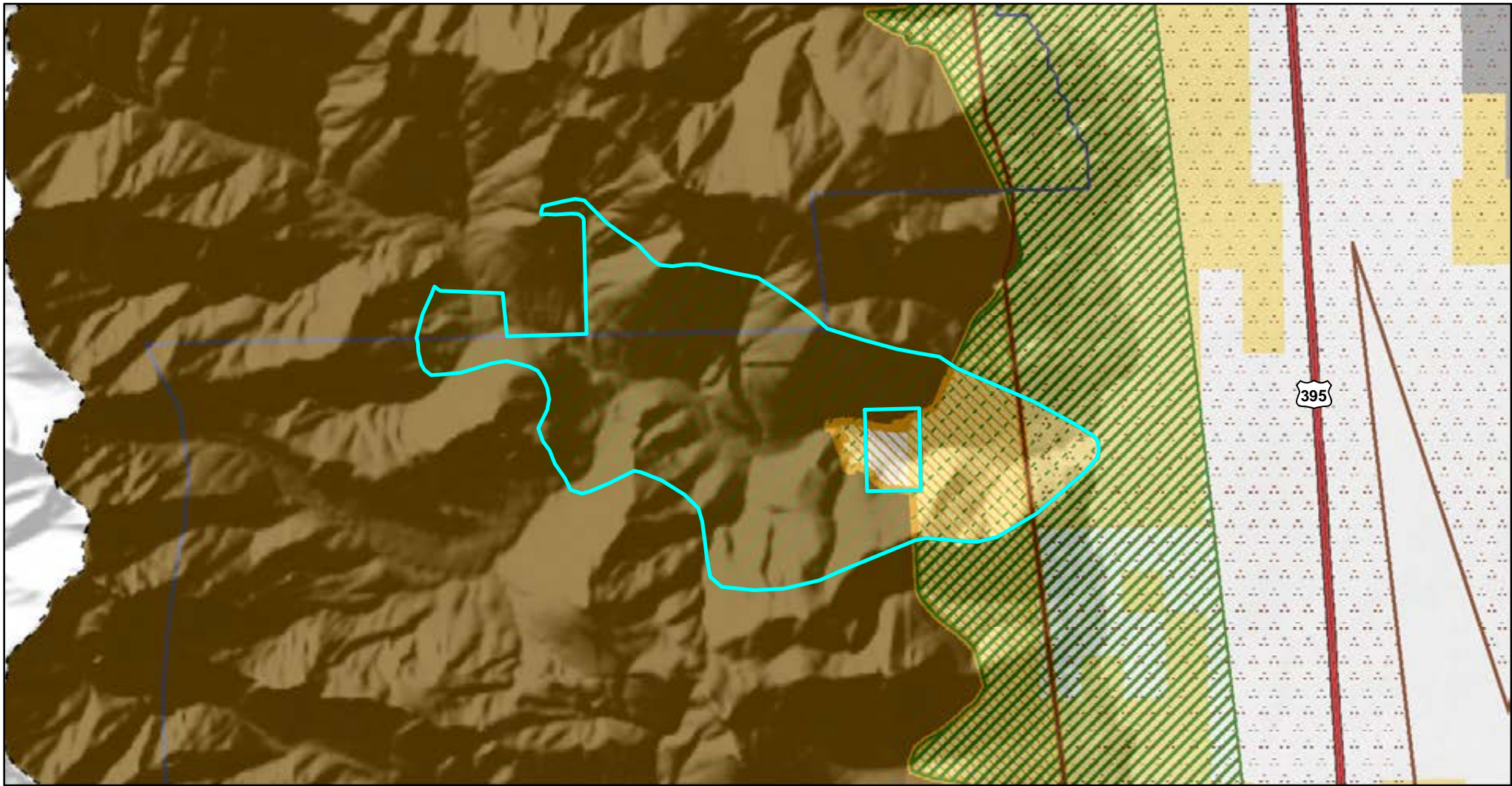
8/27/2015

Draft Map Boundaries Subject to Change

0 0.5 1  
Miles







### Conservation Footprint

Legislatively & Legally Protected Areas

National Conservation Lands

### ACEC Boundaries

0.25% Disturbance Cap

1% Disturbance Cap

DRECP Boundary

CDCA Boundary

Transmission Corridor

### Land Status

Bureau of Land Management

Department of Defense

0 0.5 1  
Miles

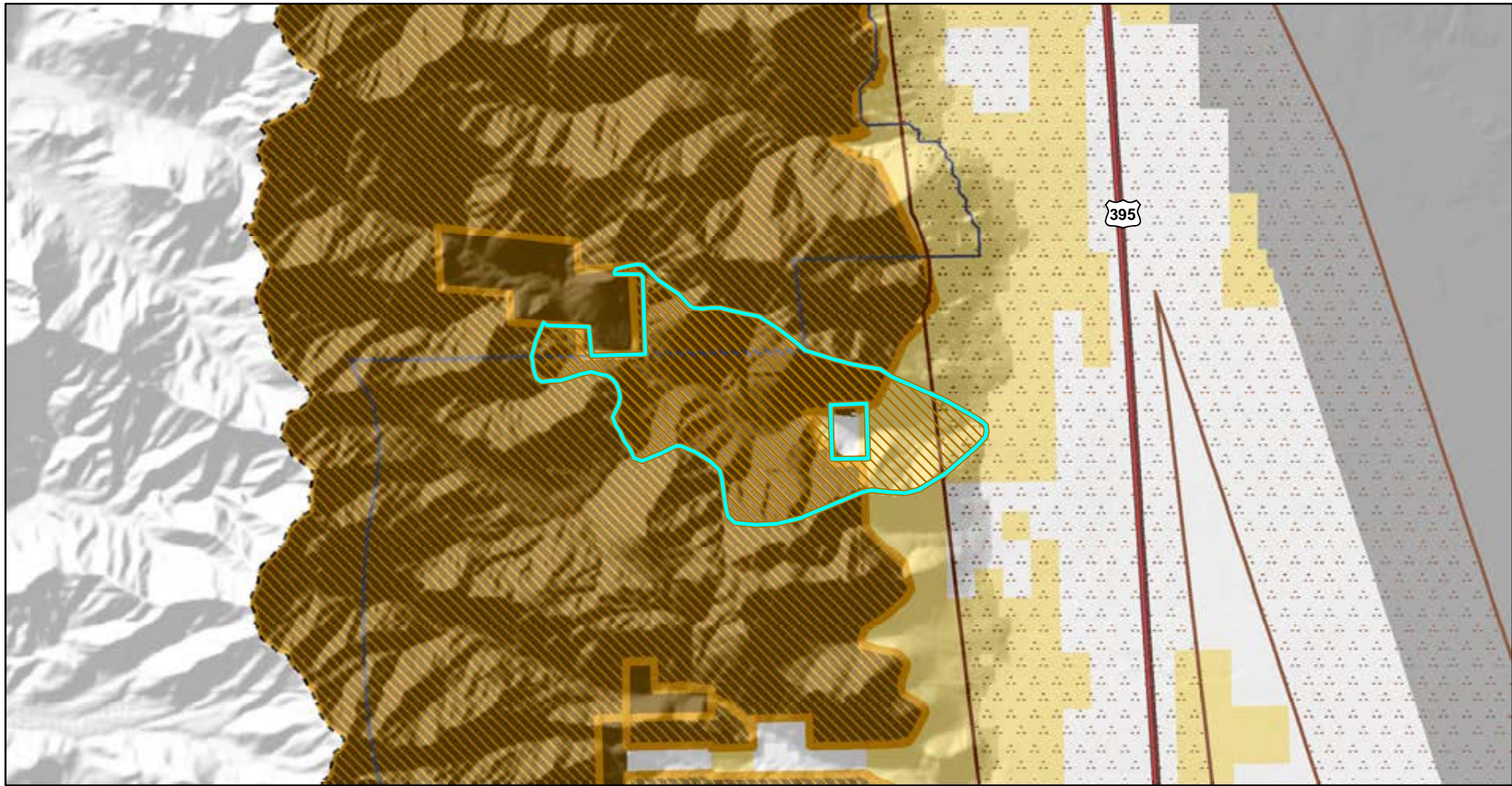
## Sand Canyon Alternative 4

8/27/2015

Draft Map Boundaries Subject to Change









### Conservation Footprint

-  Existing ACEC
-  National Conservation Lands
-  Transmission Corridor
-  Legislatively & Legally Protected Areas
-  CDCA Boundary
-  DRECP Boundary

### Land Status

-  Bureau of Land Management
-  Department of Defense

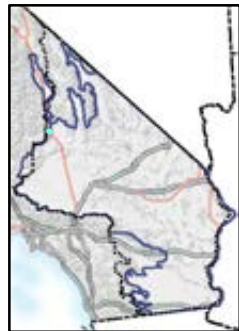
## Sand Canyon

### No Action

9/15/2015

Draft Map Boundaries Subject to Change

0 1.5 3 Miles





### Short Canyon

**National Conservation Lands Ecoregion:** West Desert and Eastern Slopes

**Description/Location:** Eastern slope of the southern Sierras, 20 minutes northwest of Ridgecrest. Most of this ACEC lies within the Owens Peak Wilderness.

**Nationally Significant Values:**

**Ecological:** The area provides habitat for numerous special status plant species Charlotte's phacelia and Mojave tarplant. These species and a broad array of additional species provide some of the most prolific and consistent wildflower blooms in the California Desert. Every spring, the Ridgecrest Wildflower Festival conducts field trips to these canyons taking visitors from across the country and abroad to these Sierra Canyons. The area also contains excellent habitat for the federally and state threatened desert tortoise.

**Relevance and Importance Criteria:** Rich botanical resources, unusual vegetation and diverse flora. Wildlife of special management concern includes Mohave ground squirrel, Golden eagle and Prairie falcon. Unusual riparian plant assemblages occur that are rare in the desert environment.

**Special Designations/Management Plan/Date:** ACEC #81/1990

**Recreation Area:** This unit is within the East Sierra SRMA.

**Overarching Goals:** To protect and enhance the ecosystem and provide compatible recreational opportunities while prompting nature studies and providing interpretive aids.

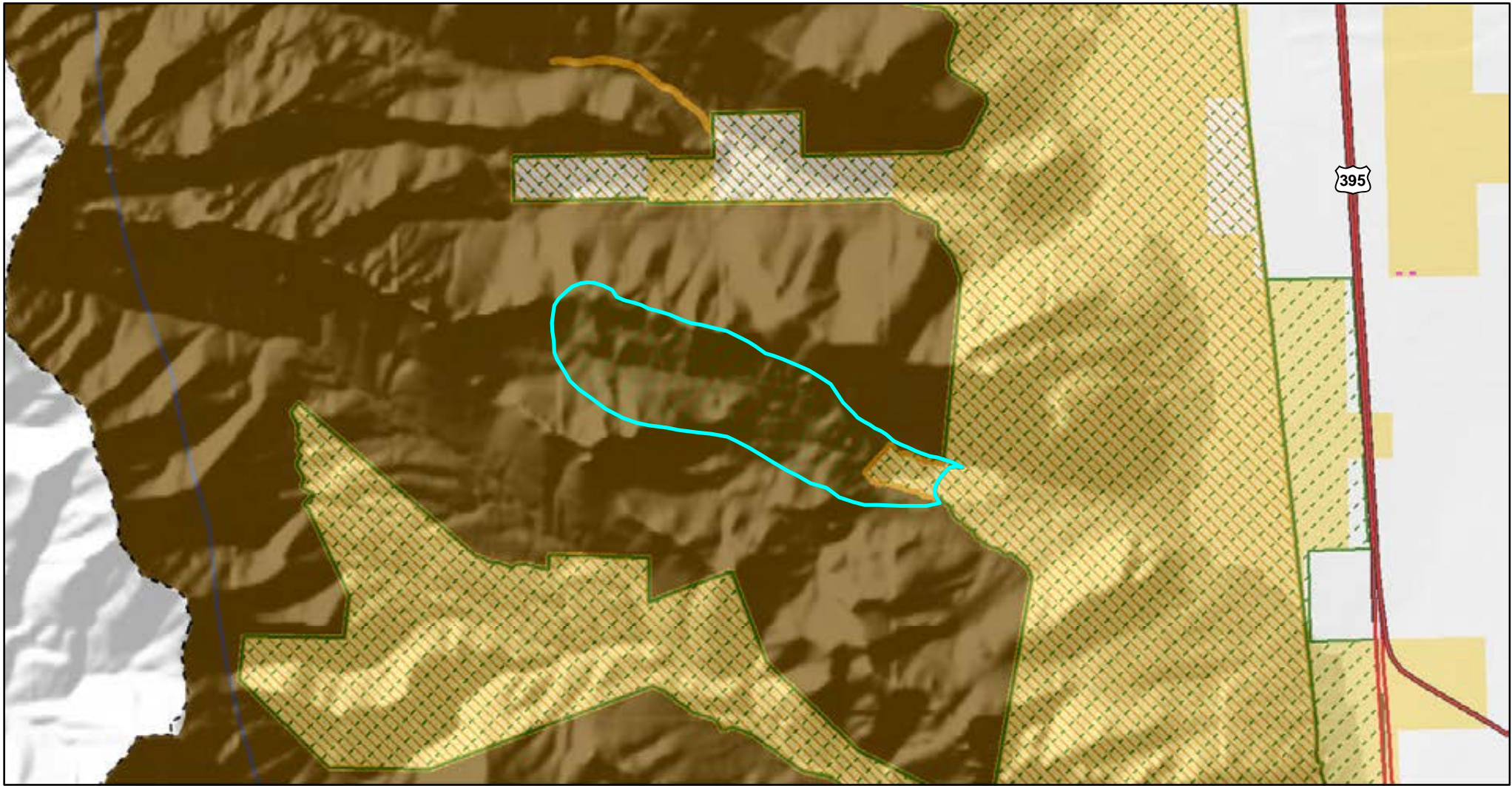
Where the CMAs in this Special Management Plan conflict from the CMAs included in Volume II of the Proposed LUPA and Final EIS, the more restrictive CMA would be applied (i.e. management that best supports resource conservation and limits impacts to the values for which the conservation unit was designated), unless otherwise specified.

If this area is included in the National Conservation Lands, the BLM will manage this area to protect the Nationally Significant Values above. Appropriate multiple uses will be allowed, consistent with this Special Unit Management Plan and the CMAs in Volume II. If an activity is not specifically covered by the CMAs, it will be allowed if it is consistent with the Nationally Significant Values, but prohibited if the uses conflict with those values.


<b>Designation and Acreage by Alternative:</b>				
Alternative	BLM Acres of NLCS within ACEC or Wildlife Allocation	BLM Acres within ACEC	BLM Acres within Wildlife Allocation	ACEC Disturbance Cap
No Action	0	800	0	NA
Preferred Alternative	49	800	0	1%
1	100	800	0	1%
2	800	800	0	1%
3	100	800	0	1%
4	100	800	0	1%
<b>* Acreage values are for BLM managed lands</b>				
<b>Objectives (desired future condition)/Allowable Uses/Management Actions</b>			<b>Resource</b>	
Objective: Protect the quality and quantity of in-stream flow of the perennial stream Management Action: Build fences to exclude cattle from riparian area Provide alternative water source for cattle			Soil, water, air	
Objective: Protect the following special status plants by ensuring habitat is in a stable or improving condition to keep the species from becoming listed under the ESA.  Management Actions: Protect and monitor populations of special status plants Charlotte's Phacelia ( <i>Phacelia nashiana</i> ) Mojave Tarplant ( <i>Deinandra mohavensis</i> )  Prohibit collection of plants except by permit  Rehabilitate/revegetated disturbed area			Vegetation (incl. special status species)	
Objective: Protect and enhance habitat to maintain stable or increasing population trends of special status species to ensure persistence Management Action: Designate Species below as priority species for management and protection. Desert Tortoise ( <i>Gopherus agassizii</i> ) Federally and State threatened Mohave ground squirrel ( <i>Spermophilus mohavensis</i> ) State threatened Yellow-eared pocket mouse ( <i>Perognathus xanthonotus</i> ) BLM sensitive Golden Eagle ( <i>Aquila chrysaetos</i> ) BLM sensitive, Bald and Golden Eagle P. Act			Fish and Wildlife (incl. special status species)	
Objective: Limit vehicles to open designated routes as per the local Travel Management plan and prevent user-created routes from developing. Allowable Uses: Motorized, non-motorized, Non-mechanized, Management Actions: Sign designated routes routinely			Trails and Travel Management	



<p>Rehabilitate unauthorized vehicle play areas and hill climbs as funding allows, particularly where off-route vehicle use is creating problems for wildlife and visual resources.</p> <p>Avoid designating routes in high value streams and riparian areas. Where routes need to cross streams and riparian areas, they will be managed appropriately to minimize impacts.</p> <p>Avoid designating routes where they are not sustainable, i.e., on steep, loose sandy and/or gravelly slopes. Attempt to re-route routes so they switch back down slopes instead of plummeting straight down.</p> <p>Use minimization criteria for designating routes in Mohave ground squirrel and Desert tortoise habitat.</p> <p>Increase information to public .</p> <p>For complete description, see Eastern Sierra SRMA</p>	
<p>Objective: Protect sensitive riparian resources (i.e. nesting birds) and people from the risk of fire and accidental shooting.</p> <p>Management Actions: Increase compliance with fire restrictions, camping limits, and vehicle use on the designated route system.</p> <p>Objective: Provide dispersed opportunities for enjoyment of the ACEC attributes</p> <p>Allowable Uses: Camping and dispersed recreation.</p> <p>Management Action: Increase information to public, maintain signs, vehicle barriers and kiosks, and work with volunteers to clean-up parking and camping areas on a regular basis.</p> <p>Management Action: Designate certain areas for camping to remove impacts</p>	Recreation
<p>Objective: Protect resource values of the ACEC</p> <p>Management Action: Land use authorization proposals (new, renewal, and amendment) will be analyzed on a case-by-case basis to assess whether they are compatible with the ACEC and its management goals.</p>	Rights of Way
<p>Objective: Consolidate through tenure adjustment.</p> <p>Management Action: Acquire inholdings, edgeholdings and other interests from willing sellers.</p>	Land Tenure
<p>Not an allowable use. Renewable energy development is not compatible with NLCS and ACEC unit values and criteria</p> <p>ACECs are closed to geothermal leasing and development unless they overlap with a DFA where geothermal is allowed. Where there is overlap, ACECs are open to geothermal leasing with an NSO stipulation.</p>	Renewable Energy
<p>Objective: Support the national need for reliable and sustainable domestic minerals while protecting the sensitive riparian and other resources in the area.</p> <p>Management Actions: New proposals will need to be analyzed at on a case-by-case basis and cumulatively, to assess whether they can be accommodated within the ACEC and its management goals</p>	<p>Locatable Minerals</p> <p>Mineral Materials</p> <p>Non-energy Leaseables</p>




### Conservation Footprint

 Legislatively & Legally Protected Areas

 National Conservation Lands

### ACEC Boundaries

 1% Disturbance Cap


 DRECP Boundary

 CDCA Boundary

### Renewable Footprint

 Development Focus Areas

### Land Status

 Bureau of Land Management

## Short Canyon

6/24/2015

Draft Map Boundaries Subject to Change

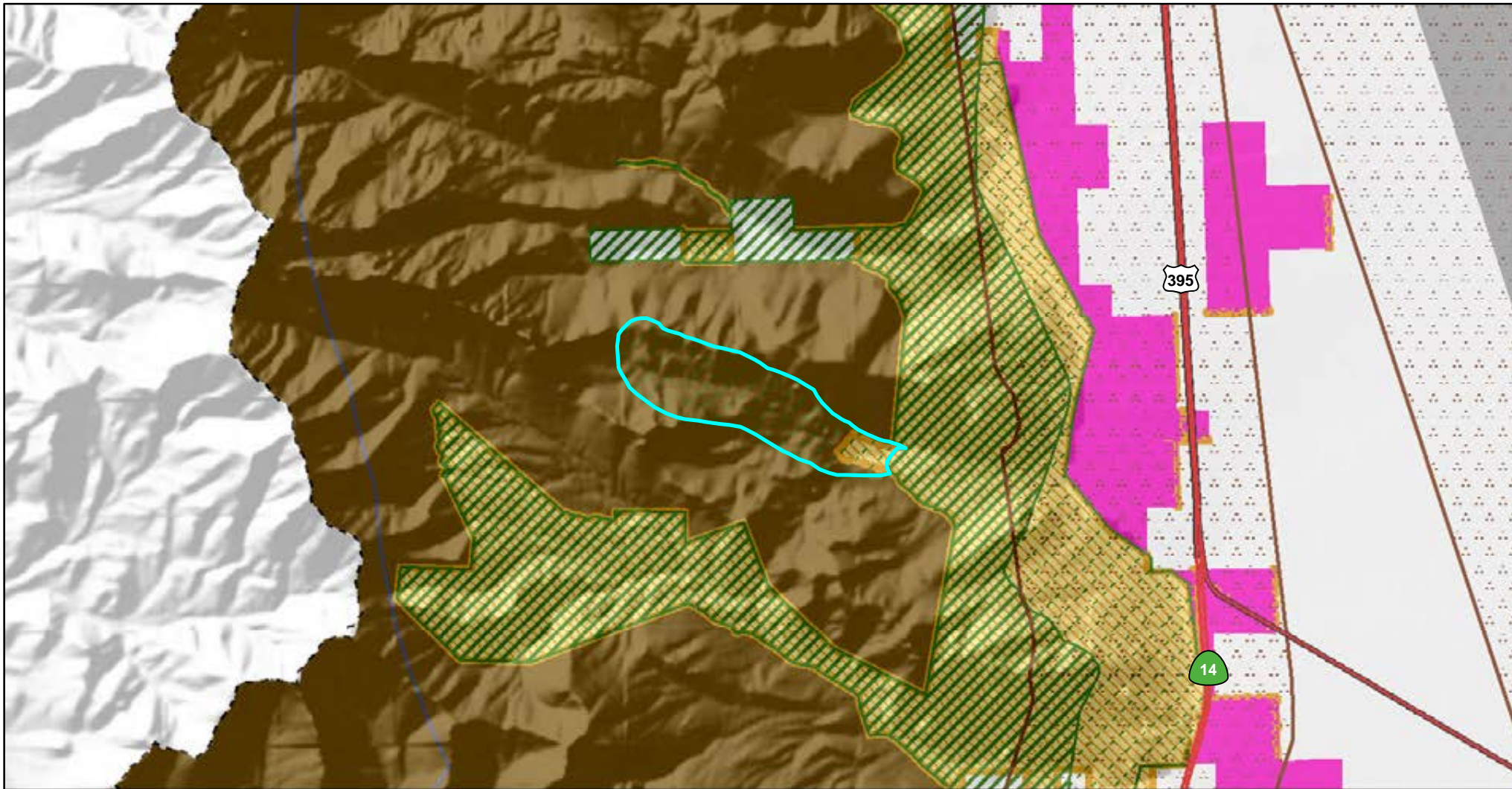
0 0.5 1  
Miles











### Conservation Footprint

Legislatively & Legally Protected Areas

National Conservation Lands

### ACEC Boundaries

0.25% Disturbance Cap

1% Disturbance Cap

DRECP Boundary

CDCA Boundary

Transmission Corridor

### Renewable Footprint

Development Focus Areas

### Land Status

Bureau of Land Management

Department of Defense

0 1 2  
Miles

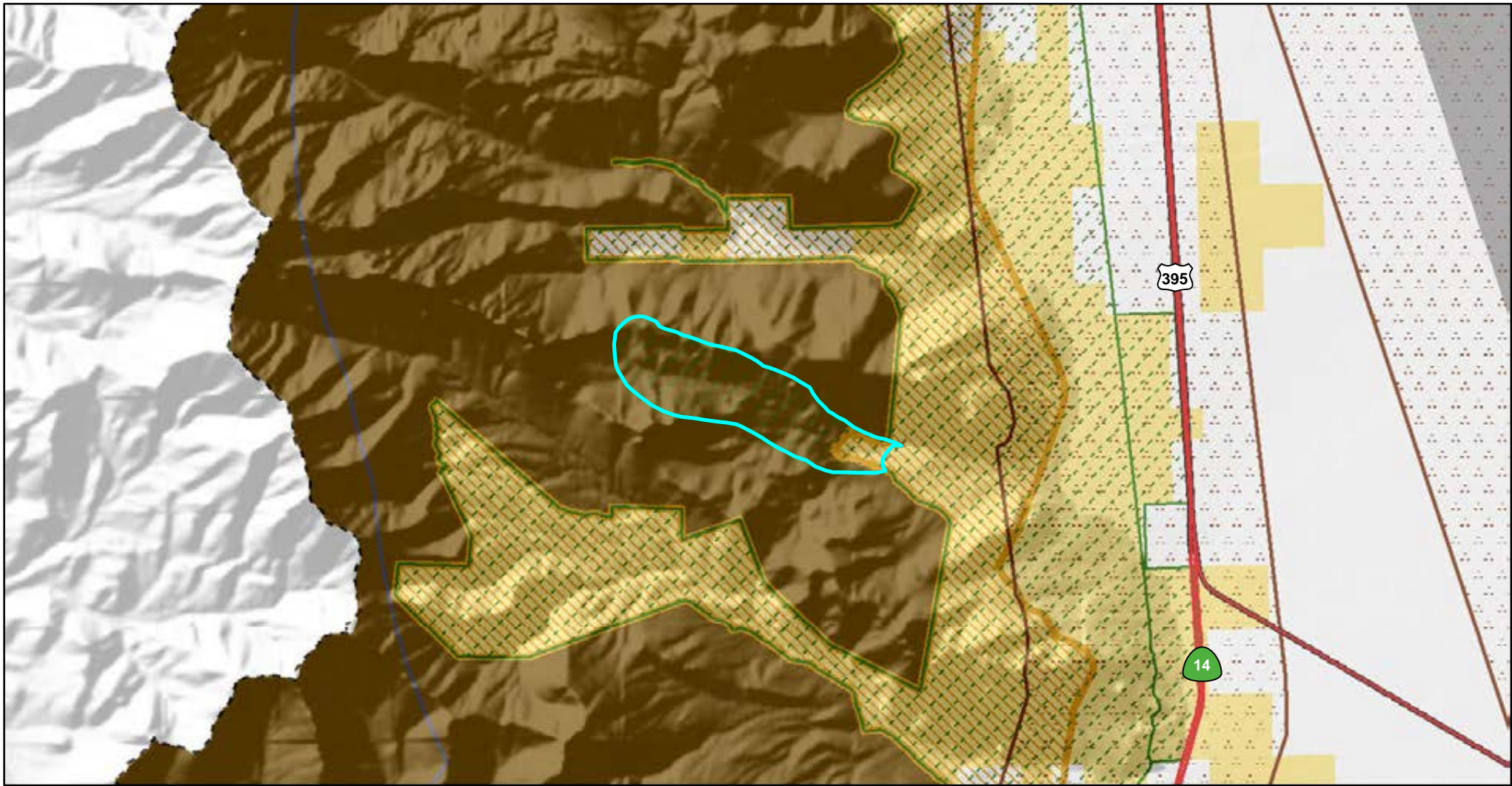
## Short Canyon Alternative 2

8/26/2015

Draft Map Boundaries Subject to Change







### Conservation Footprint

Legislatively & Legally Protected Areas

National Conservation Lands

### ACEC Boundaries

1% Disturbance Cap

DRECP Boundary

CDCA Boundary

Transmission Corridor

### Land Status

Bureau of Land Management

Department of Defense

## Short Canyon Alternative 3

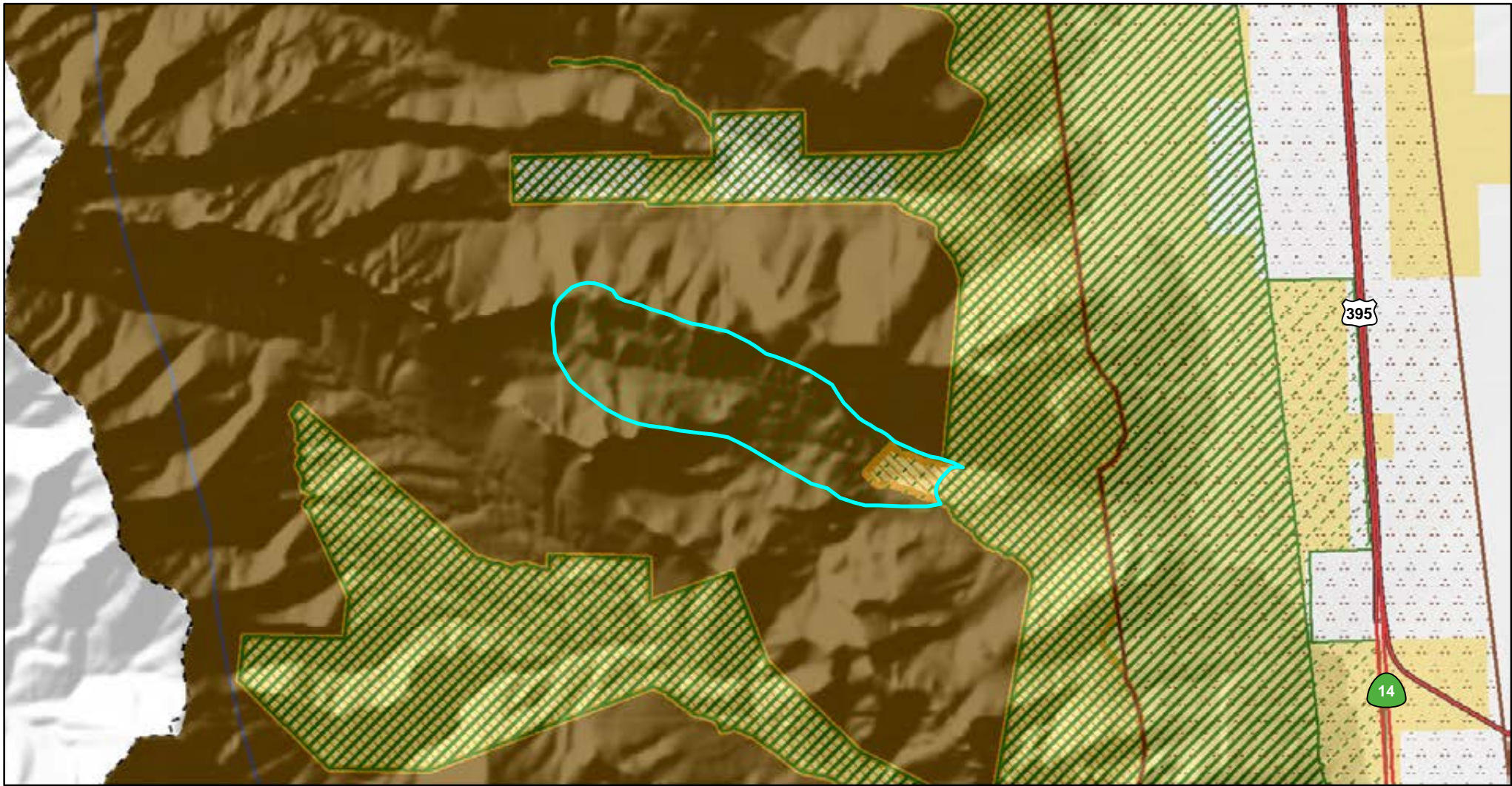
8/27/2015

Draft Map Boundaries Subject to Change

0 0.5 1  
Miles









### Conservation Footprint

 Legislatively & Legally Protected Areas

 National Conservation Lands


### ACEC Boundaries

 0.25% Disturbance Cap

 1% Disturbance Cap

 DRECP Boundary

 CDCA Boundary

 Transmission Corridor

### Land Status

 Bureau of Land Management

## Short Canyon Alternative 4

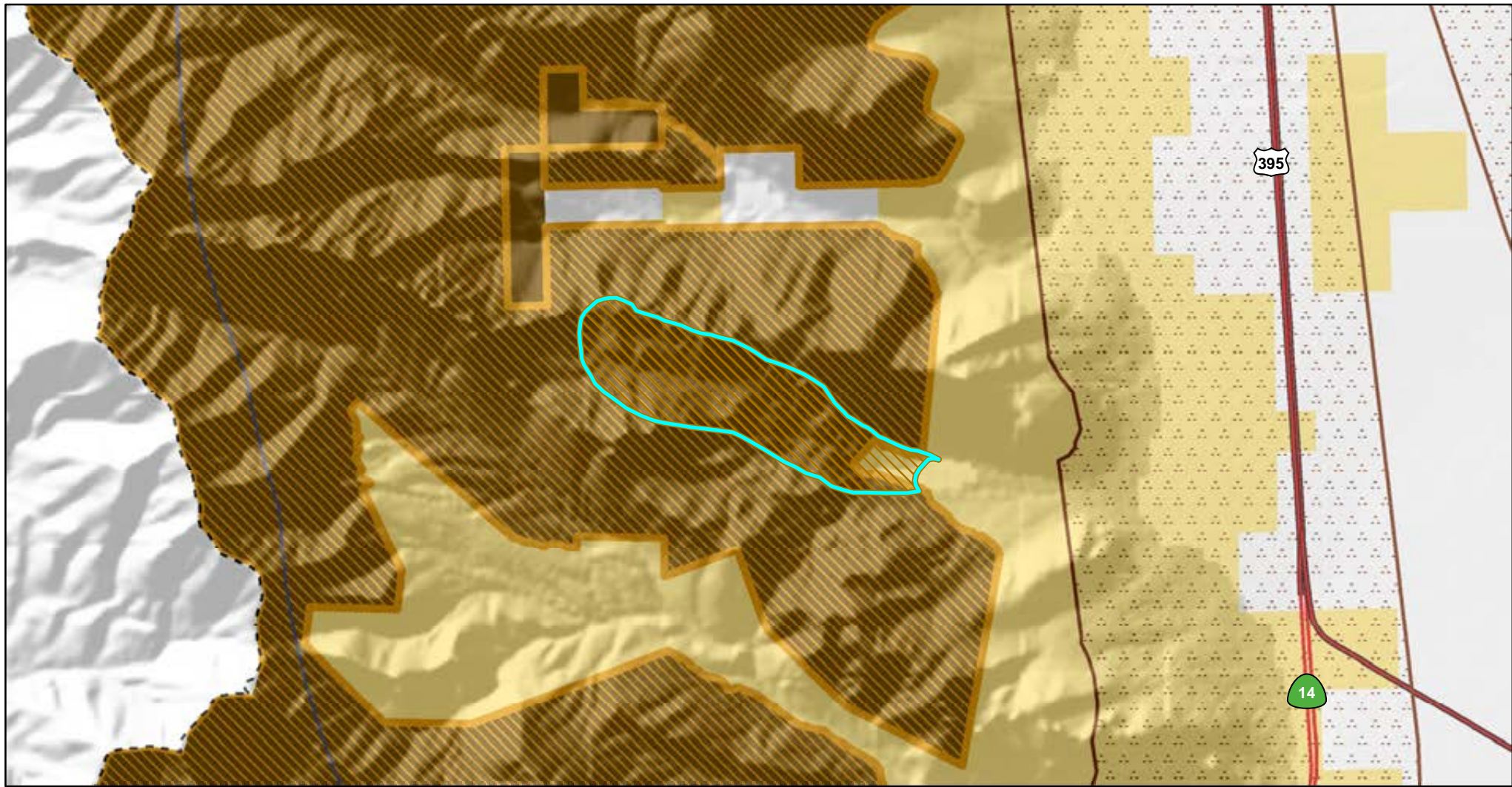
8/27/2015

Draft Map Boundaries Subject to Change

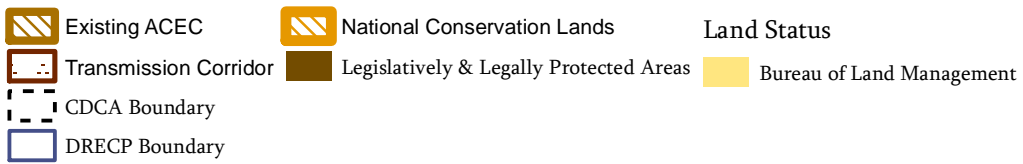


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### Conservation Footprint

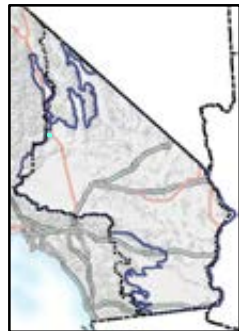
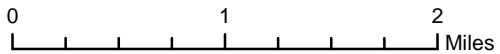


### Short Canyon

### No Action

9/15/2015

Draft Map Boundaries Subject to Change



## Sierra Canyons

**National Conservation Lands Ecoregion:** Basin and Range; and Western Desert and Eastern Slopes

**Description/Location**— lays along the eastern Sierra, west of Hwy 395 between the towns of Indian Wells and Haiwee.

**Description of National Significance:**

**Ecological:** This flyway provides outstanding habitat for golden eagles and other raptors, with nearby cliffs for nesting and the valley floor for foraging. This area is a part of the Pacific Migratory Bird Flyway with riparian stop-over habitats. Songbirds pass through the valley on their way to breeding grounds. Shore birds migrate to Owens Lake and Mono Lake. The flyway has stop-over riparian/wetland habitat in the Sierra Nevada canyons, Little Lake, Haiwee Reservoir, Owens Lake and Mono Lake and provides a path from Mexico to Canada for certain species.

The area provides habitat for numerous special status plant species Charlotte's phacelia and Latimer's woodland gilia. These species and a broad array of additional species provide some of the most prolific and consistent wildflower blooms in the California Desert. Every spring, the Ridgecrest Wildflower Festival conducts field trips to these canyons taking visitors from across the country and abroad to these Sierra Canyons. The area also contains excellent habitat for the federally and state threatened desert tortoise. This area offers outstanding opportunities to view a portion of the East Monache mule deer herd. As winter moves in, deer move down from the mountains to the valley bottom, at about 4,000 feet above sea level. This is the largest of the three winter ranges and runs for approximately 30 miles along the base of the Sierras between Olancho Creek and Five Mile Canyon. About 600-700 deer spend their winters here.

The area was also called out in WEMO as the "Sierra Foothills Habitat Connector" for the state threatened and BLM sensitive Mohave ground squirrel (MGS). It is a very important corridor linking MGS habitats from north to south.

**Cultural:** National cultural values include those sites eligible for and listed on the National Register of Historic Places. The Los Angeles Aqueduct played a vital role in the development of the Los Angeles area, sparked the California Water Wars, and has contributed to changes in water regulations and policy throughout the state. The scientific value of the area includes the potential to answer some of the most pressing questions in California archaeology, particularly about trade, human adaptation to changing environments, and culture contact and interaction.

**Special Designations/Management Plan/Date:** No previous special designation (but encompasses Sand Canyon and Short Canyon ACECs).

**Relevance and Importance Criteria:** The Eastern front Sierra Canyons were a critical part of the Native American seasonal round. Not only did these places have necessary water in the summer, they provided access points to the hunting grounds of the Sierra Nevada crest, sacred areas associated with mountains. They also served as conduits for trade with groups over the mountains in the Central Valley and beyond to the Coast. The North and South Units of the Sierra Canyons ACEC contain many large, prehistoric National Register of Historic Places eligible properties in relatively undisturbed contexts. These sites have high densities of obsidian and other types of lithic material unparalleled in the Ridgecrest Field Office. The sites located in these canyons have the potential to answer some of the most pressing questions in California archaeology, particularly about trade, human adaptation to changing environments, and culture contact and



interaction.

The North and South Unit Sierra Canyons Conservation Area also encompass the footprint of the Los Angeles Department of Water and Power Los Angeles Aqueduct. The first aqueduct, built in 1913, redefined the history of Owens, Rose, and Indian Wells Valleys. The First LA Aqueduct has been listed as a Historic Civil Engineering Landmark. The Aqueduct and all of the associated labor camps along the line have also been recommended eligible for the listing on the National Register of Historic Places.

The Sierra Canyons Conservation Area will provide an added layer of protection to the prehistoric, historic, and ethnographic sites associated with the Sierra Front. Future management plans for this area would evaluate for impacts from OHV routes in these areas, potential development, and an opportunity for scientific exploration and public interpretation.

Healthy creosote habitat supports a high variety and density of resident bird species such as the Le Conte's thrasher and loggerhead shrikes. It also includes great habitat for other sensitive species such as the BLM sensitive burrowing owl.

**Recreation Area:** This unit overlaps with East Sierra and Pacific Crest Trail SRMAs.

**Grazing Allotment:** This unit overlaps with Olancho Common and Tunawee Allotments.

**Lands with Wilderness Characteristics:** This unit contains 745 acres of lands that would be managed to protect wilderness character under the preferred alternative. The CMAs for lands managed to protect wilderness character would also apply in those areas.

**Overarching Goals:** Protect flyway to ensure current safe passage of resident and migratory bird species in accordance with the Migratory Bird Treaty Act. Preserve and protect other sensitive biological and cultural resources in the area.

Where the CMAs in this Special Management Plan conflict from the CMAs included in Volume II of the Proposed LUPA and Final EIS, the more restrictive CMA would be applied (i.e. management that best supports resource conservation and limits impacts to the values for which the conservation unit was designated), unless otherwise specified.

If this area is included in the National Conservation Lands, the BLM will manage this area to protect the Nationally Significant Values above. Appropriate multiple uses will be allowed, consistent with this Special Unit Management Plan and the CMAs in Volume II. If an activity is not specifically covered by the CMAs, it will be allowed if it is consistent with the Nationally Significant Values, but prohibited if the uses conflict with those values.

**Designation and Acreage by Alternative:**

Alternative	BLM Acres of NLCS within ACEC or Wildlife Allocation	BLM Acres within ACEC	BLM Acres within Wildlife Allocation	ACEC Disturbance Cap
No Action	0	0	0	NA
Preferred Alternative	26,405	26,405	0	1%
1	9,400	26,900	0	1%
2	21,600	21,600	0	0.25%
3	21,800	26,900	0	1%
4	14,100	26,900	0	0.25%

\* Acreage values are for BLM managed lands

Objectives (desired future conditions)/Allowable Uses/Management Actions	Resource
<p>Objective: Soils exhibit functional biological and physical characteristics that are appropriate to soil type, climate, and land form.</p> <p>Allowable Uses: Restrict construction activities when soils are susceptible to heightened risk of erosion.</p> <p>Management Actions: Ensure soils to meet or exceed the Soil Standard of Rangeland Health, as indicated by ground or plant cover, diversity of plant species, minimal evidence of accelerated wind and water erosion and the presence of biological soil crusts where appropriate.</p> <p>Objective: Protect the hydrologic flow regime in all of the canyons Allowable Uses: Existing water rights</p> <p>Management actions: Manage riparian/wetland vegetation, structure, and diversity and stream channels and floodplains so that they are functional and achieving physical and biological objectives.</p> <p>Monitor Proper Functioning Condition and restore natural flow stream morphology when needed</p> <p>Monitor water uses</p>	Soil, water, air

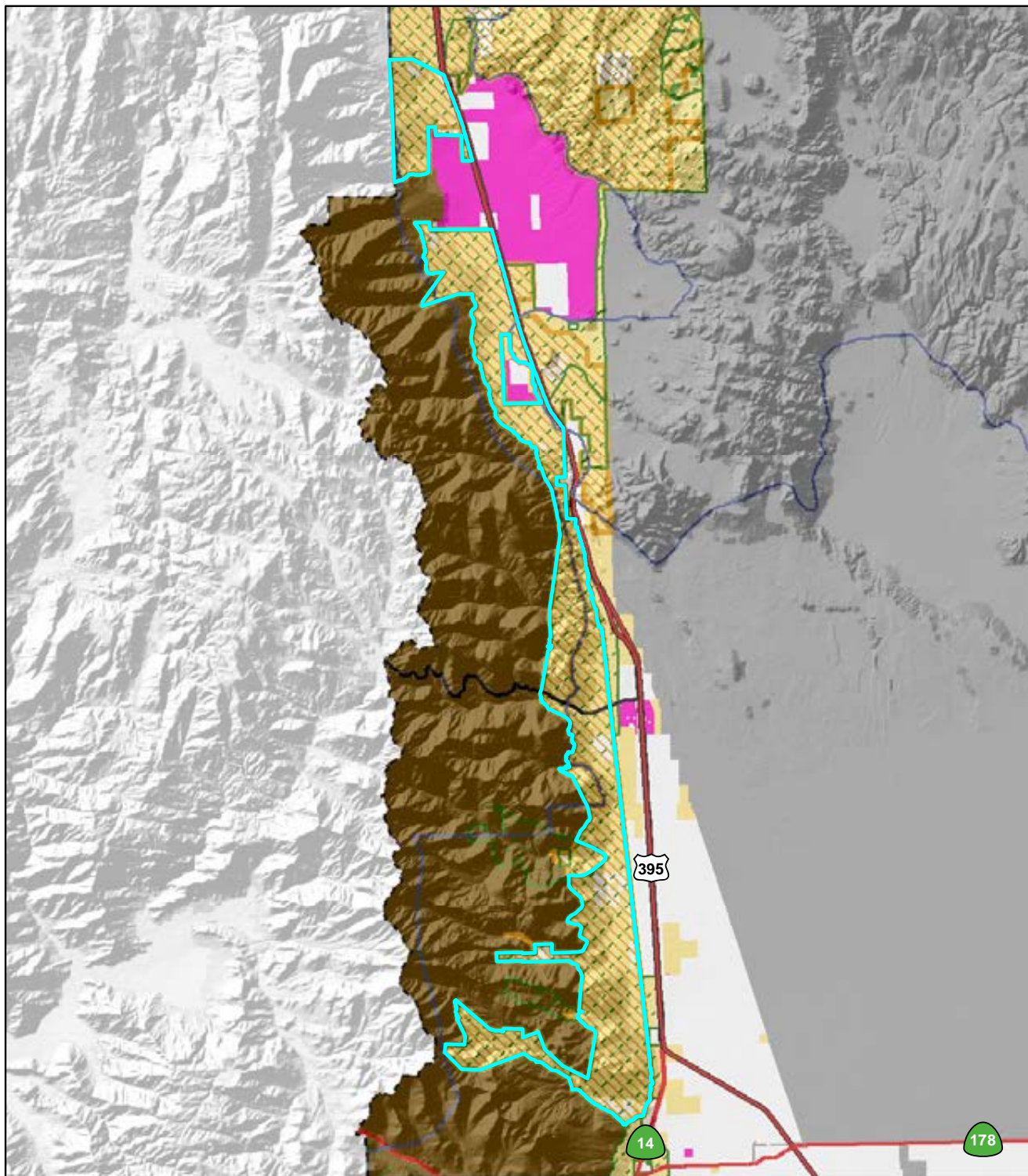


<p>Objective: Protect the following special status plants by ensuring habitat is in a stable or improving condition to keep the species from becoming listed under the ESA.</p> <p>Management Actions: Protect and monitor populations of special status plants  Creamy blazing star (<i>Mentzelia tridentata</i>)  Latimer's woodland-gilia (<i>Salpiglossis latimeri</i>)  Charlotte's Phacelia (<i>Phacelia nashiana</i>)  Nine Mile Canyon Phacelia (<i>Phacelia novemmillensis</i>)  Mojave Tarplant (<i>Deinandra mohavensis</i>)</p> <p>Prohibit collection of plants except by permit  Rehabilitate/revegetated disturbed area</p>	<p>Vegetation (incl. special status species)</p>
<p>Objective: Protect flyway to ensure current safe passage of resident and migratory bird species.</p> <p>Allowable Uses: Linear ROWs allowed with mitigation measures</p> <p>Management Actions: New proposals will need to be analyzed at on a case-by-case basis and cumulatively, to assess whether they can be accommodated within the ACEC and its management goals.</p> <p>Objective: Protect and enhance habitat to maintain stable or increasing population trends of special status species to ensure persistence:</p> <p>Management Action: Designate Species below as priority species for management and protection.</p> <p>Mule Deer  American Badger (<i>Taxidea taxus</i>) State Special Animal  Desert Tortoise (<i>Gopherus agassizii</i>) Federally and State threatened  Mohave ground squirrel (<i>Spermophilus mohavensis</i>) State threatened  Yellow-eared pocket mouse (<i>Perognathus xanthonotus</i>) BLM sensitive  Golden Eagle (<i>Aquila chrysaetos</i>) BLM sensitive, Bald and Golden Eagle P. Act  Prairie Falcon (<i>Falco mexicanus</i>) USFWS Bird of Conservation Concern  Burrowing Owl (<i>Athene cunicularia</i>) BLM Sensitive  Le Conte's Thrasher (<i>Toxostoma lecontei</i>) State Species of Special Concern  Loggerhead Shrike (<i>Lanius ludovicianus</i>) State Species of Special Concern</p> <p>Objective: Maintain quality foraging habitat for the Monache Deer Herd</p> <p>Management Action: Monitor to ensure diverse grasses and forbs with Rangeland Health Standards</p>	<p>Fish and Wildlife (incl. special status species)</p>
<p>Objective: Limit off-highway vehicle use to designated routes as per the local Travel Management plan and prevent user-created routes from developing.</p> <p>Allowable Uses: Motorized, non-motorized, Non-mechanized,</p> <p>Management Actions: Sign and monitor designated routes as funding allows.  Rehabilitate unauthorized vehicle play areas and hill climbs, particularly where</p>	<p>Trails and Travel Management</p>

<p>off-route vehicle use is creating problems for wildlife and visual resources, as funding allows.</p> <p>Where routes need to cross streams and riparian areas, they will be managed appropriately to minimize impacts.</p> <p>Use minimization criteria for designating routes in Mohave ground squirrel and Desert tortoise habitat.</p> <p>Increase information to public and compliance with routes of travel and/or the travel management plan</p>	
<p>Refer to the Eastern Sierra and Pacific Crest Trail SRMA write-ups for detailed objectives, allocations, and management direction.</p> <p>Objective: Protect sensitive riparian resources (i.e. nesting birds) and people from the risk of fire and accidental shooting.</p> <p>Management Actions: Impose seasonal restrictions on target shooting in sensitive riparian areas and where large numbers of people congregate to park or camp. Increase compliance with fire restrictions, camping limits, and vehicle use on the designated route system.</p> <p>Objective: Provide dispersed opportunities for enjoyment of the ACEC attributes</p> <p>Allowable Uses camping and dispersed recreation</p> <p>Management Action: Increase information to public, maintain signs, vehicle barriers and kiosks, and work with volunteers to clean-up parking and camping areas on a regular basis.</p>	Recreation
<p>Objective: Consolidate through tenure adjustment.</p> <p>Management Action: Acquire inholdings, edgeholdings and other interests from willing sellers.</p>	Land Tenure
<p>Objective: Protect resource values of the ACEC</p> <p>Management Action: Land use authorization proposals (new, renewal, and amendment) will be analyzed on a case-by-case basis to assess whether they are compatible with the ACEC and its management goals.</p> <p>Management Action 2: No ROWs that alter groundwater regimes</p>	Rights of Way
<p>No development</p> <p>Objective: Maintain integrity of large blocks of habitat</p> <p>Allowable Uses: Not an allowable use. Renewable energy development is not compatible with NLCS and ACEC unit values and criteria</p> <p>Geothermal: ACECs are closed to geothermal leasing and development unless they overlap with a DFA where geothermal is allowed. Where there is overlap, ACECs are open to geothermal leasing with an NSO stipulation.</p>	Renewable Energy
<p>Objective: Support the national need for reliable and sustainable domestic minerals while protecting the sensitive resources in the area.</p> <p>Management Actions: New proposals will need to be analyzed on a case-by-case basis and cumulatively, to assess whether they can be accommodated within the ACEC and its management goals.</p>	Locatable Minerals Mineral Materials Non-energy Leasables
<p>Objective: Provide for livestock grazing opportunities in a manner that limits impacts on other resources</p>	Livestock grazing



<p>Allowable Uses: Adjust livestock use where monitoring data indicate changes are necessary to meet resource objectives. This ACEC touches two grazing allotments: Tunawee and Olancho Common.</p> <p>Management Actions: Manage grazing authorizations to meet or exceed the Standards for Rangeland Health.</p>	
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### Conservation Footprint

- Legislatively & Legally Protected Areas
- National Conservation Lands

### ACEC Boundaries

- 0.1% Disturbance Cap
- 1% Disturbance Cap

- DRECP Boundary
- CDCA Boundary

### Renewable Footprint

- Development Focus Areas

### Land Status

- Bureau of Land Management
- Department of Defense

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Miles

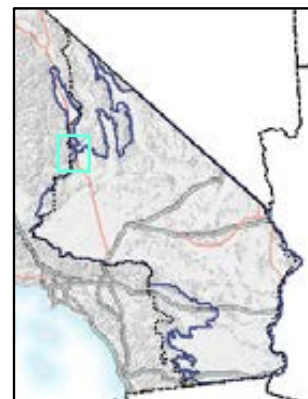


8/10/2015

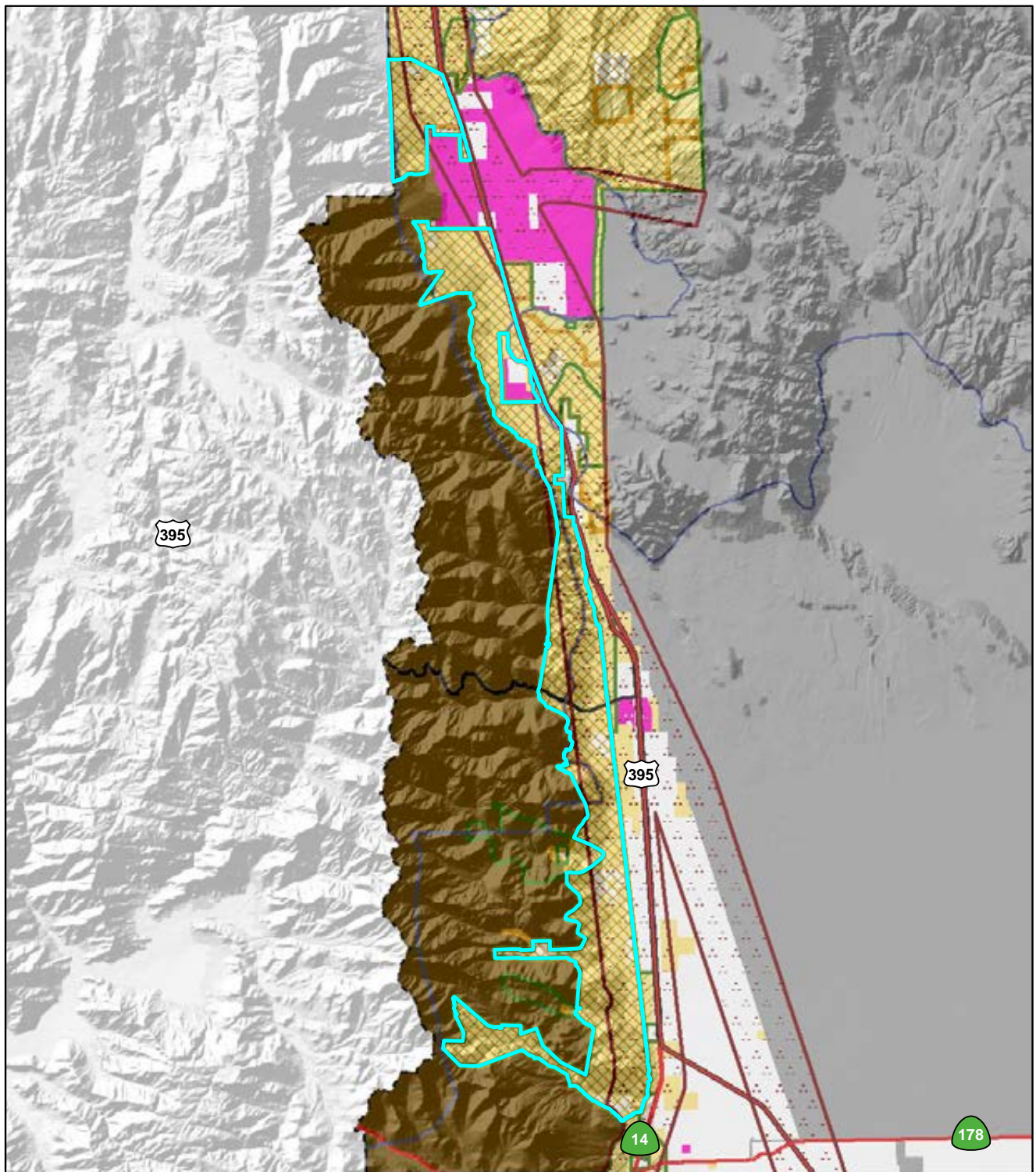


Draft Map Boundaries Subject to Change




1335










### Conservation Footprint



-  Legislatively & Legally Protected Areas
-  National Conservation Lands
-  Proposed ACEC

### Renewable Footprint

-  Development Focus Areas

-  DRECP Boundary
-  CDCA Boundary
-  Transmission Corridor

### Land Status

-  Bureau of Land Management
-  Department of Defense

0 2 4  
Miles



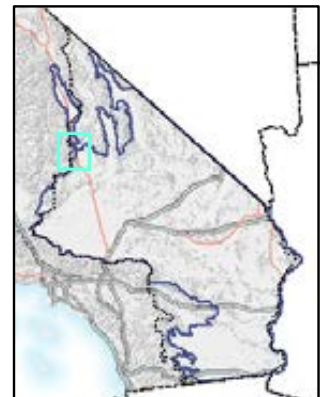
## Sierra Canyons

8/10/2015

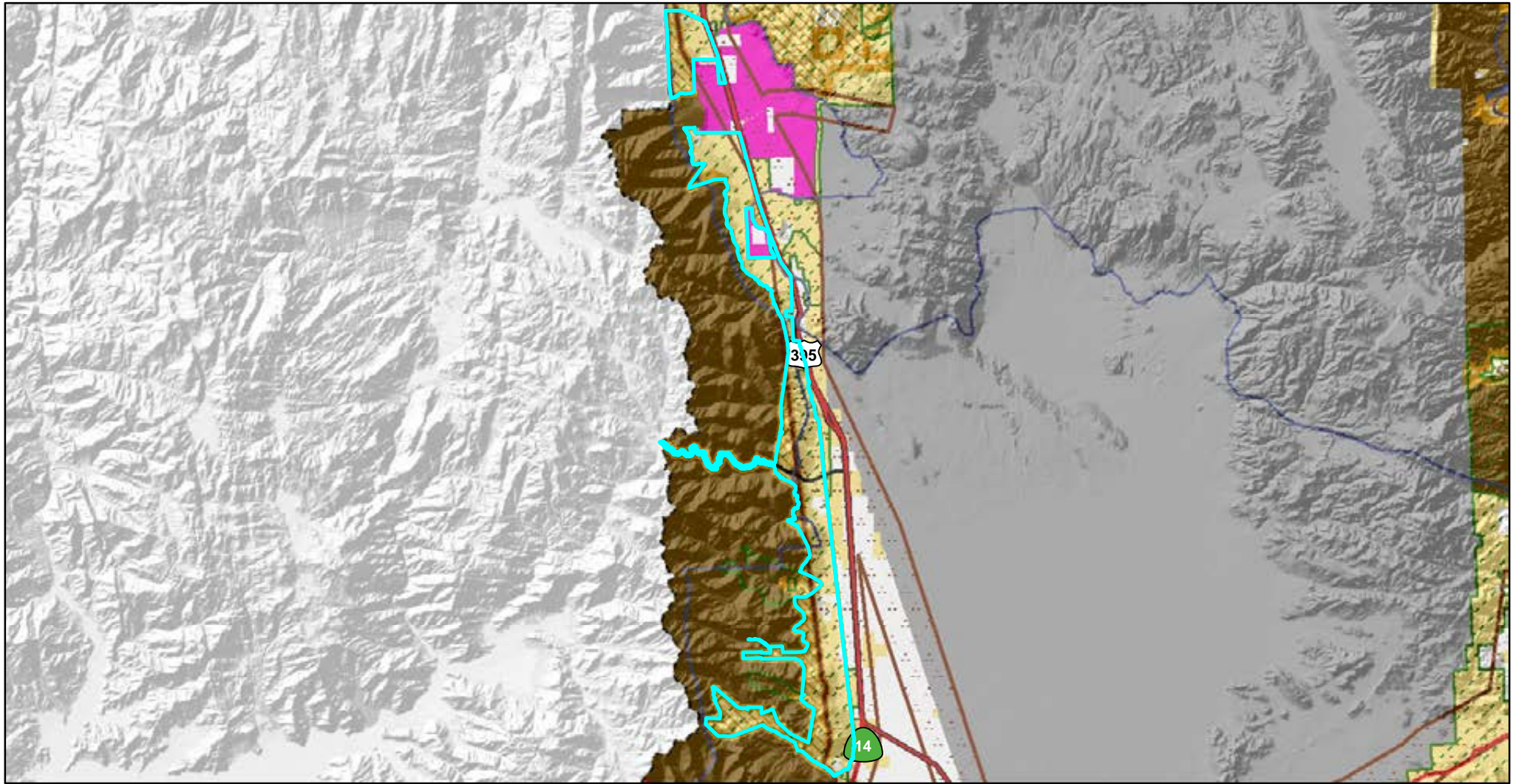


Draft Map Boundaries Subject to Change



1336













### Conservation Footprint

-  Legislatively & Legally Protected Areas
-  National Conservation Lands


### ACEC Boundaries

-  0.1% Disturbance Cap
-  1% Disturbance Cap
-  Wildlife Allocation



0 4 8  
Miles

-  DRECP Boundary
-  CDCA Boundary
-  Transmission Corridor

### Renewable Footprint

-  Development Focus Areas

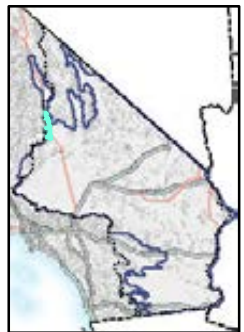
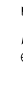
### Land Status

-  Bureau of Land Management
-  Department of Defense

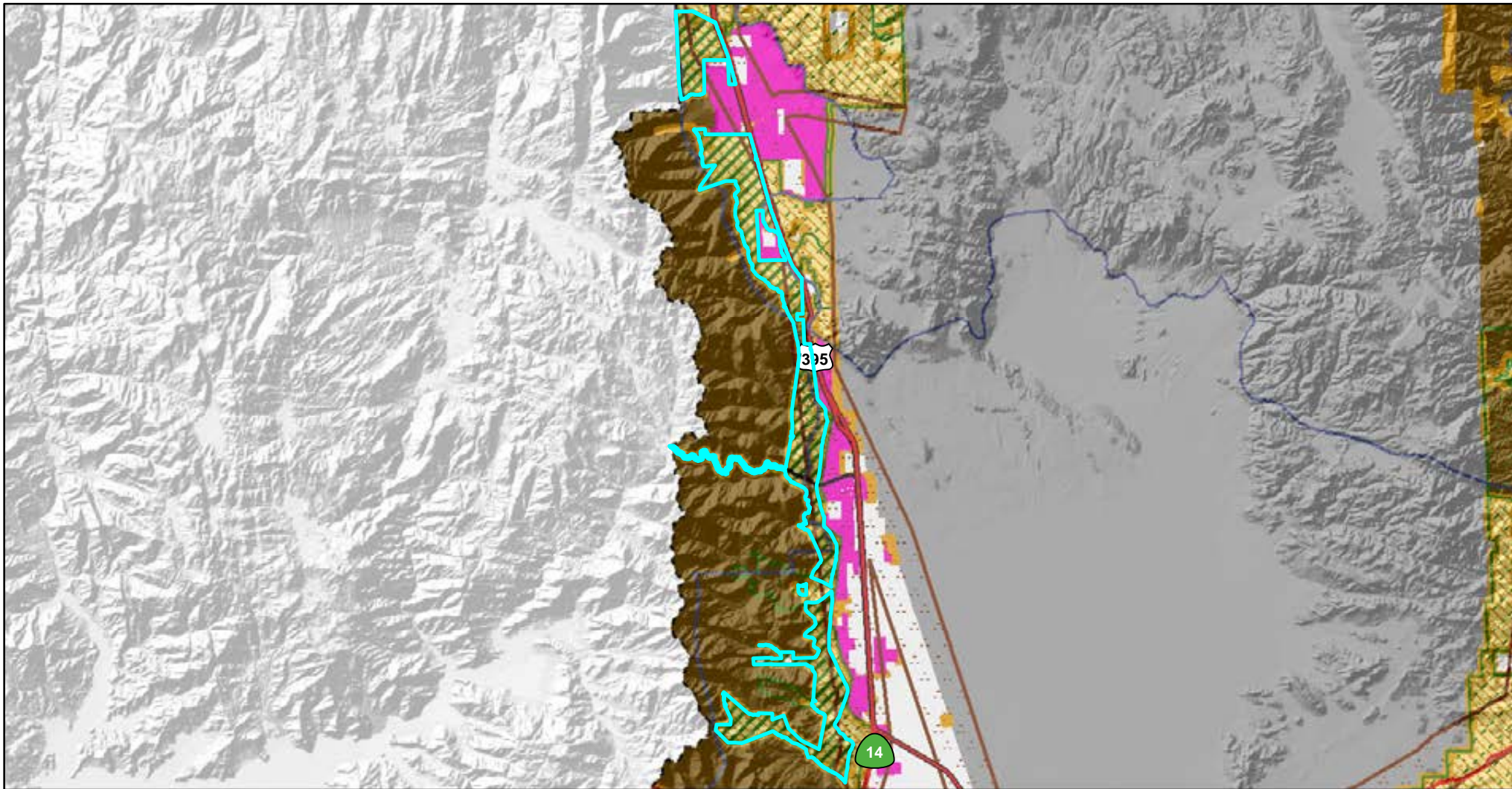
## Sierra Canyons Alternative 1

8/25/2015

Draft Map Boundaries Subject to Change







## Conservation Footprint

Legislatively & Legally Protected Areas

National Conservation Lands

## ACEC Boundaries

0.1% Disturbance Cap

0.25% Disturbance Cap

1% Disturbance Cap

0 4 8 Miles

DRECP Boundary

CDCA Boundary

Transmission Corridor

## Renewable Footprint

Development Focus Areas

## Land Status

Bureau of Land Management

Department of Defense

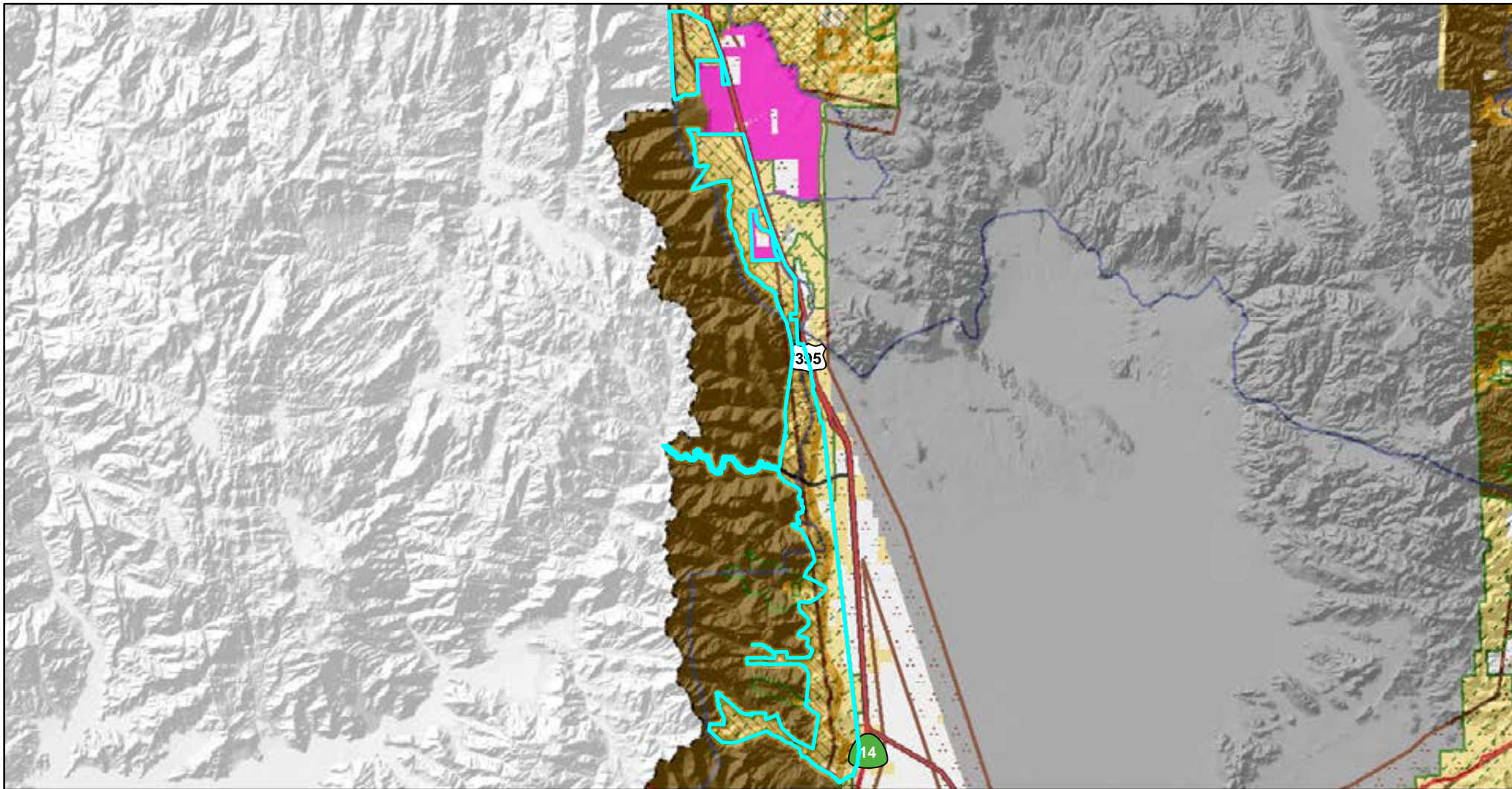
## Sierra Canyons Alternative 2

8/26/2015

Draft Map Boundaries Subject to Change









## Conservation Footprint


 Legislatively & Legally Protected Areas

 National Conservation Lands

## ACEC Boundaries

 0.1% Disturbance Cap


 0.25% Disturbance Cap

 1% Disturbance Cap

0 2 4  
Miles

 DRECP Boundary


 CDCA Boundary


 Transmission Corridor

## Renewable Footprint

 Development Focus Areas

## Land Status

 Bureau of Land Management

 Department of Defense

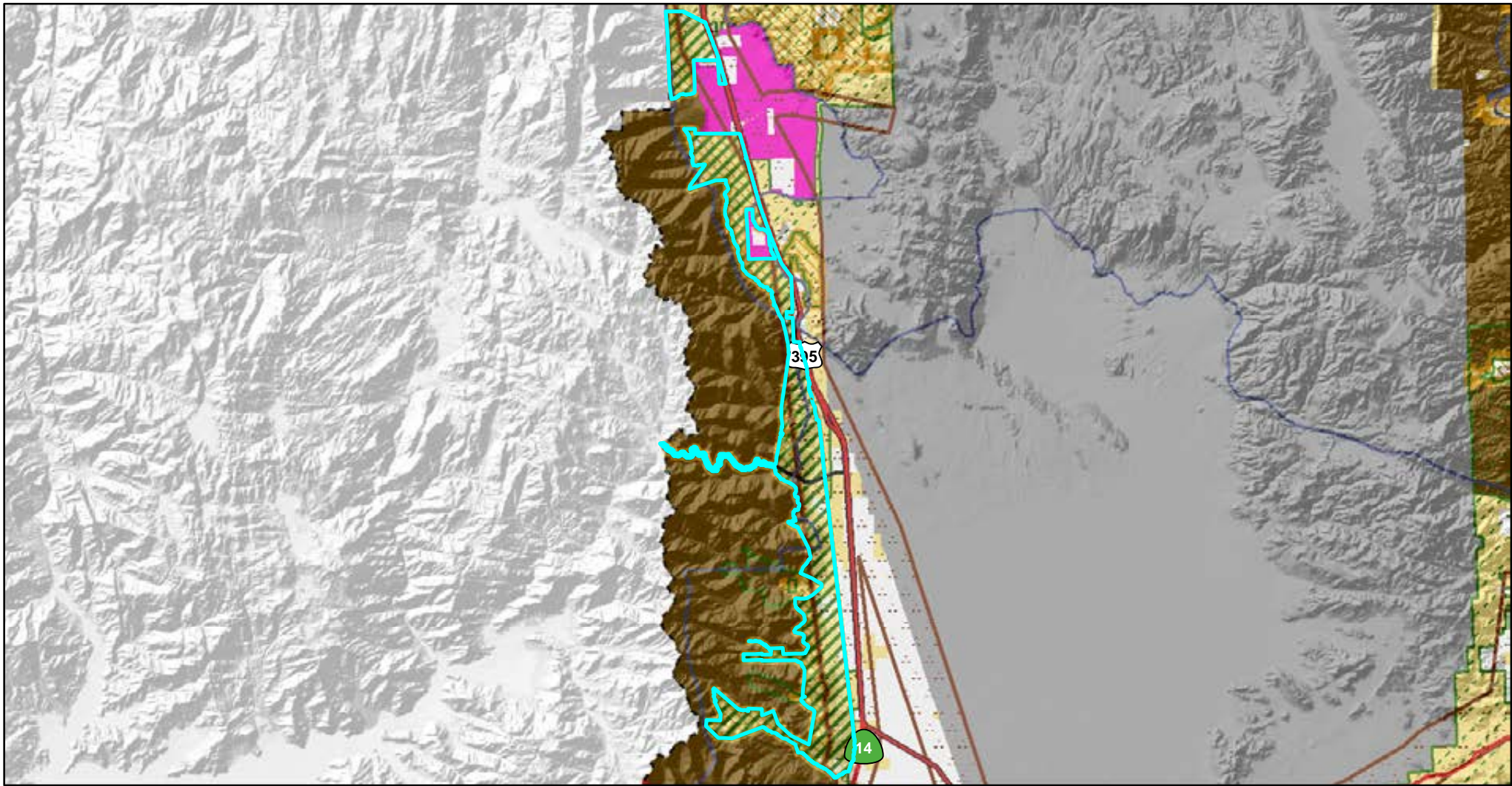
## Sierra Canyons Alternative 3

8/27/2015

Draft Map Boundaries Subject to Change







### Conservation Footprint

Legislatively & Legally Protected Areas

National Conservation Lands

### ACEC Boundaries

0.1% Disturbance Cap

0.25% Disturbance Cap

1% Disturbance Cap

0 2 4  
Miles

DRECP Boundary

CDCA Boundary

Transmission Corridor

### Renewable Footprint

Development Focus Areas

### Land Status

Bureau of Land Management

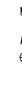
Department of Defense

## Sierra Canyons

### Alternative 4

8/27/2015

Draft Map Boundaries Subject to Change



### Symmes Creek Wilderness Study Area

**National Conservation Lands Ecoregion:** Not in CDCA

**Description/Location:** This unit is situated on the alluvial fans of the east slope of the Sierra Nevada and encompasses Shepherd Creek and a portion of Symmes Creek. It is located west of highway 395, about 2 miles southwest of Independence. The westernmost boundary of the unit abuts the Inyo National Forest. The southeastern boundary of the unit is about 1.5 miles northwest of Manzanar National Historic Site.

**Nationally Significant Values:** Not eligible for NCL proposal under PL 111-11 because not in CDCA.

**Special Designations/Management Plan/Date:** This unit is comprised of the entire Symmes Creek Wilderness Study Area (CA-010-064) described in the California Statewide Wilderness Study Report (1990).

**Relevance and Importance Criteria:** The Symmes Creek unit supports wilderness characteristics related to naturalness and outstanding opportunities for solitude and primitive and unconfined recreation. The upper elevations of the unit provide critical winter range for the Goodale trans-Sierra migratory mule deer herd. The unit also provides habitat and habitat connectivity for other wildlife species.

The unit also contributes to the historic viewshed of Manzanar National Historic Site, the scenic viewshed of the Eastern Sierra, and the watershed for the City of Los Angeles.

**Grazing Allotment:** This unit is within the Alabama Hills Allotment.

#### Overarching Goals:

Protect the natural values that contribute to opportunities for solitude and primitive and unconfined recreation.

Protect the natural and cultural values that contribute to the historic viewshed of Manzanar National Historic Site.

Protect Manzanar National Historic Site from flooding.

Maintain and improve critical winter range for migratory mule deer.

Maintain and improve habitat and habitat connectivity for Sierran and desert plant and animal species.

Protect scenic and watershed values.

Where the CMAs in this Special Management Plan conflict from the CMAs included in Volume II of the Proposed LUPA and Final EIS, the more restrictive CMA would be applied (i.e. management that best supports resource conservation and limits impacts to the values for which the conservation unit was designated), unless otherwise specified.

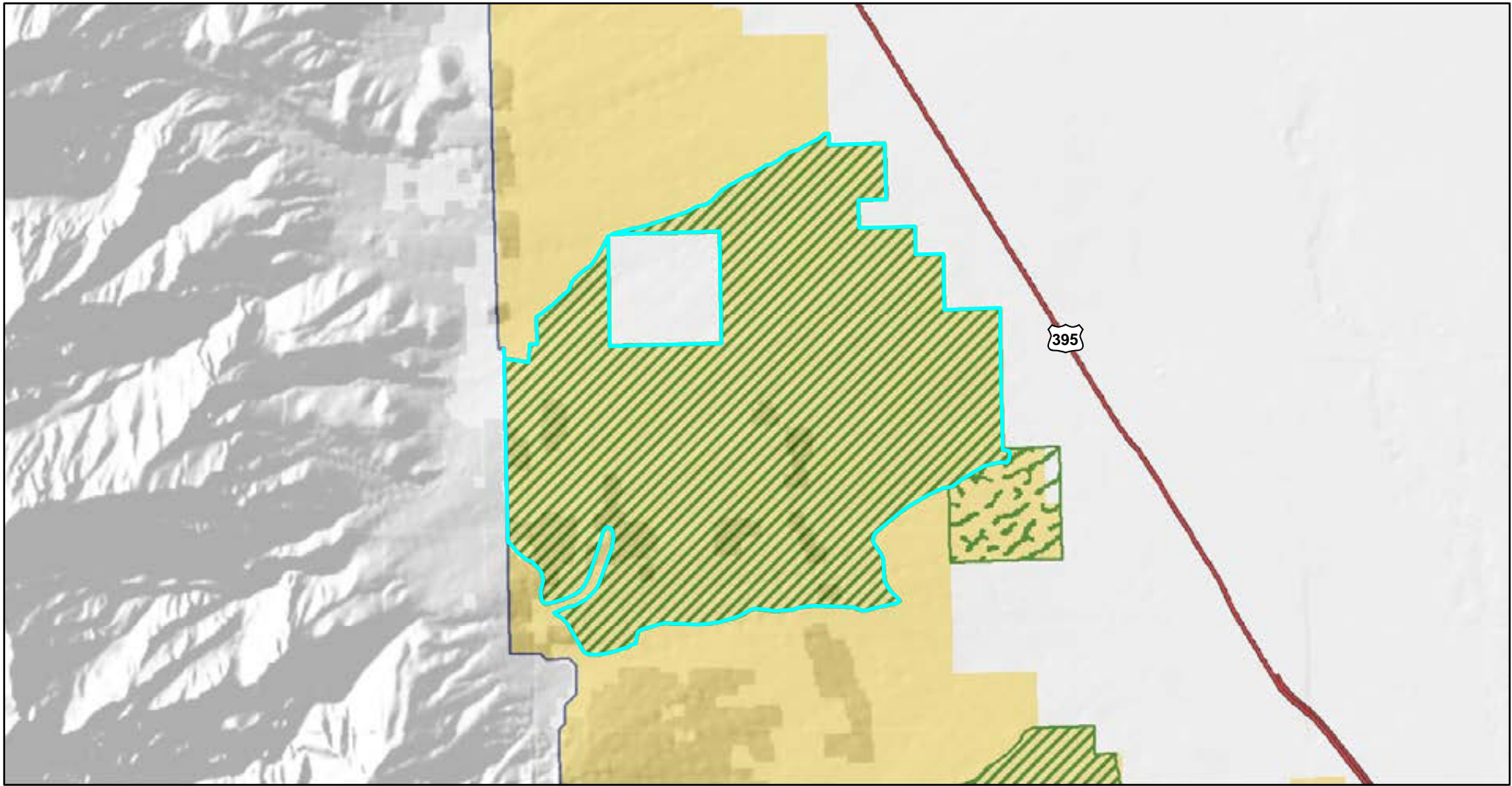
Appropriate multiple uses will be allowed, consistent with this Special Unit Management Plan and the CMAs in Volume II.



<b>Designation and Acreage by Alternative:</b>				
Alternative	BLM Acres of NLCS within ACEC or Wildlife Allocation	BLM Acres within ACEC	BLM Acres within Wildlife Allocation	ACEC Disturbance Cap
No Action	0	0	0	NA
Preferred Alternative	0	8372	0	0.25%
1	0	8372	0	0.25%
2	0	8372	0	0.25%
3	0	8372	0	0.25%
4	0	8372	0	0.25%
<b>* Acreage values are for BLM managed lands</b>				
<b>Objectives (desired future conditions)/Allowable Uses/Management Actions</b>			<b>Resource</b>	
<p>Manage in accordance with current policy and RMP guidance.</p> <p>Allowable Uses: Selective removal of riparian vegetation and/or in-stream debris on Shepherd Creek to protect Manzanar National Historic Site from flooding. Such projects are not subject to the ACEC disturbance cap. Such projects are also exempt from RMP "Yearlong Protection" requirements for riparian areas.</p> <p>Treatments to maintain or improve native vegetation communities and special status species habitats are not subject to the ACEC disturbance cap.</p> <p>Management Actions: Coordinate with Manzanar National Historic Site and the City of Los Angeles to design and implement riparian vegetation thinning and/or in-stream debris removal projects on Shepherd Creek to protect Manzanar National Historic Site from flooding.</p> <p>Design and implement treatments to maintain and improve native vegetation communities and special status species habitats.</p>			Vegetation - Including special status species	
<p>Allowable Uses: Projects and treatments to maintain or improve fish and wildlife habitats are not subject to the ACEC disturbance cap.</p> <p>Management Actions: Design and implement projects and treatments to maintain and improve fish and wildlife habitats.</p>			Fish and Wildlife - Including special status species	
<p>Objectives: Protect Manzanar National Historic Site from flooding.</p> <p>Maintain the appearance and setting of the historic landscape, as seen from Manzanar National Historic Site.</p> <p>Allowable Uses:</p>			Cultural Resources	

<p>Projects to protect Manzanar National Historic Site from flooding are not subject to the ACEC disturbance cap.</p> <p>Other uses that can be carried out without adversely affecting the integrity of the historic landscape as viewed from Manzanar National Historic Site.</p> <p>Management Actions: Design and implement projects to protect Manzanar National Historic Site from flooding.</p> <p>Limit any activities that would alter the setting, context, or feel of the the historic landscape as viewed from Manzanar National Historic Site.</p>	
<p>Manage all activities to conform to VRM II standards.</p> <p>Actions required to protect Manzanar National Historic Site from flooding may exceed VRM II standards.</p>	Visual Resources
<p>Allowable Uses: Vehicle travel is restricted to existing roads, routes and trails. Management Actions: Allow maintenance of existing roads, routes and trails.</p>	Trails and Travel Management
<p>No development.</p> <p>Objective: Maintain natural and cultural values and integrity of large blocks of habitat.</p> <p>Allowable Uses: Not an allowable use. Renewable energy development is not compatible with NLCS and ACEC unit values and criteria.</p> <p>Geothermal: ACECs are closed to geothermal leasing and development unless they overlap with a DFA where geothermal is allowed. Where there is overlap, ACECs are open to geothermal leasing with an NSO stipulation.</p>	Renewable Energy





# Conservation Footprint

- ACEC Boundaries  
 0.1% Disturbance Cap  
 0.25% Disturbance Cap
- DRECP Boundary  
 CDCA Boundary
- Land Status  
 Bureau of Land Management

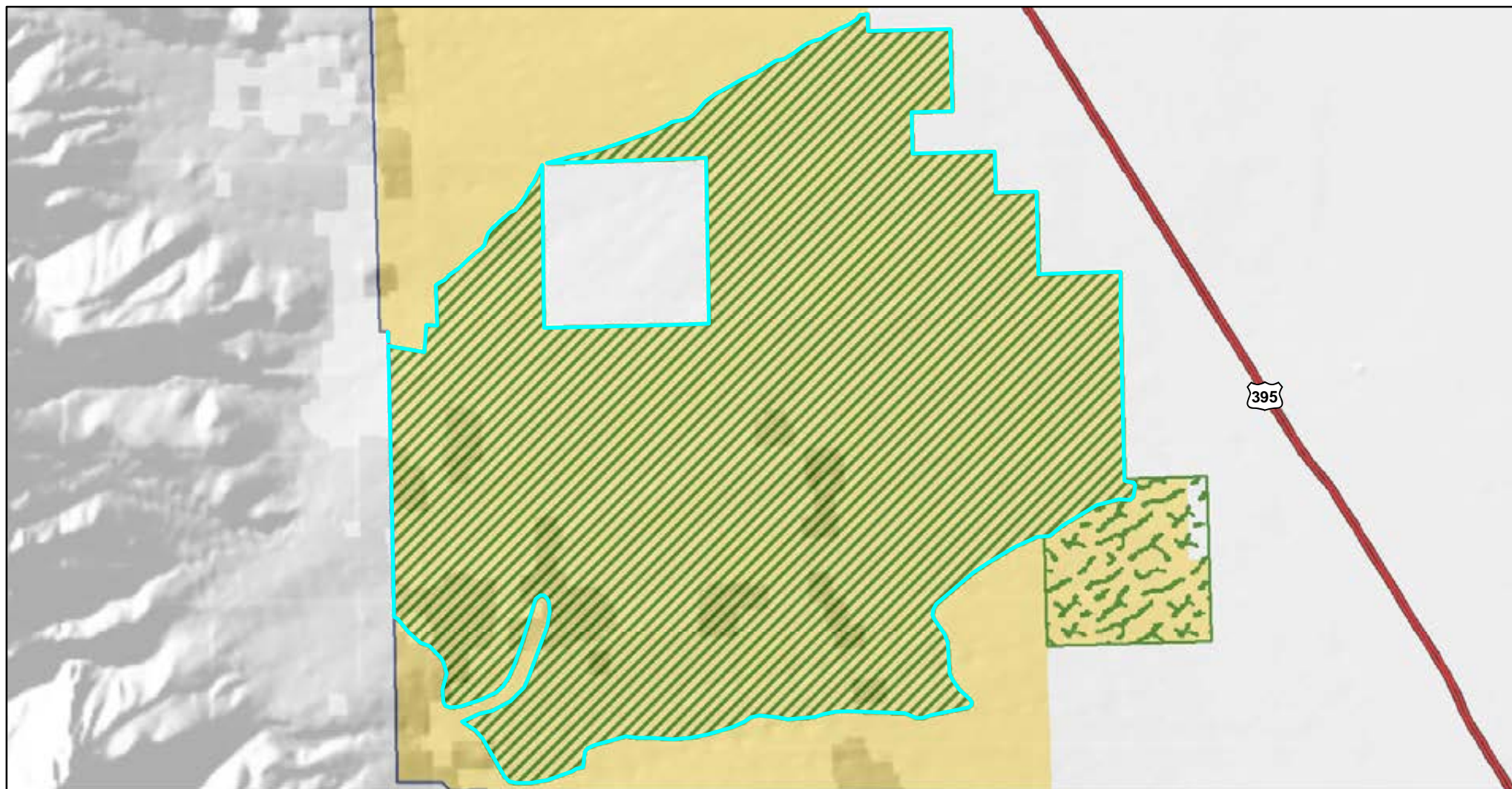
## Symmes Creek WSA

6/24/2015

Draft Map Boundaries Subject to Change

0 1 2 Miles





# Conservation Footprint

ACEC Boundaries  
 0.1% Disturbance Cap  
 0.25% Disturbance Cap

DRECP Boundary  
 CDCA Boundary

Land Status  
 Bureau of Land Management

0 0.5 1 Miles

## Symmes Creek WSA Alternative 1

8/25/2015

Draft Map Boundaries Subject to Change







# Conservation Footprint

ACEC Boundaries  
 0.1% Disturbance Cap  
 0.25% Disturbance Cap

DRECP Boundary  
 CDCA Boundary

Land Status  
 Bureau of Land Management

## Symmes Creek WSA Alternative 2

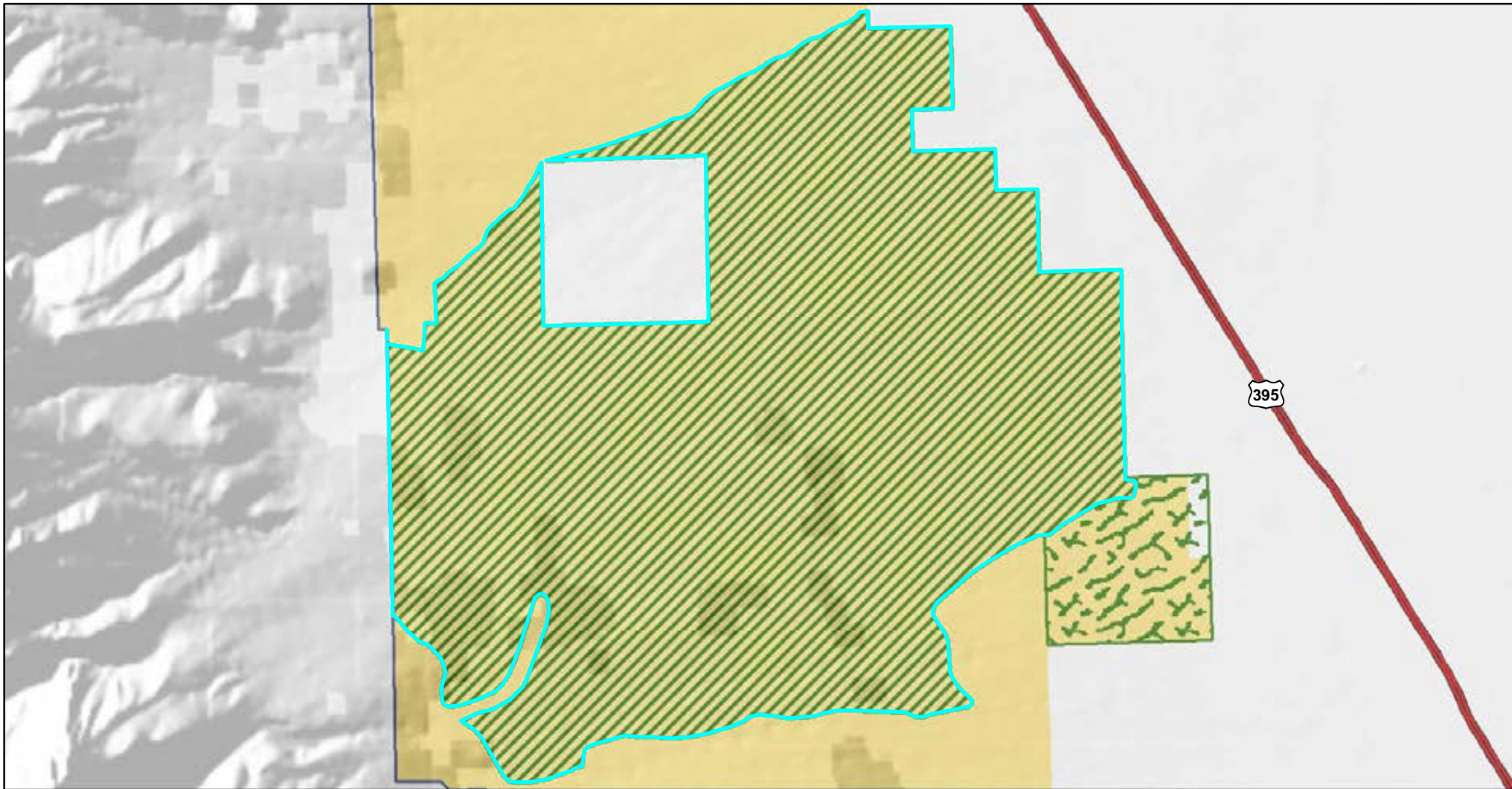
8/26/2015

Draft Map Boundaries Subject to Change






0 0.5 1 Miles







# Conservation Footprint

- |   |  |   |
|---|--|---|
| <p>ACEC Boundaries</p> <p> 0.1% Disturbance Cap</p> <p> 0.25% Disturbance Cap</p> | <p> DRECP Boundary</p> <p> CDCA Boundary</p> | <p>Land Status</p> <p> Bureau of Land Management</p> |
|---|--|---|

## Symmes Creek WSA Alternative 3

8/27/2015

Draft Map Boundaries Subject to Change







0 0.5 1  
Miles







## Conservation Footprint

- |   |  |   |
|---|--|---|
| <p>ACEC Boundaries</p> <p> 0.1% Disturbance Cap</p> <p> 0.25% Disturbance Cap</p> | <p> DRECP Boundary</p> <p> CDCA Boundary</p> <p><b>Renewable Footprint</b></p> <p> Variance Lands</p> | <p>Land Status</p> <p> Bureau of Land Management</p> |
|---|--|---|

## Symmes Creek WSA Alternative 4

8/27/2015

Draft Map Boundaries Subject to Change

0 0.5 1  
Miles



### **Tehachapi Linkage**

**National Conservation Lands Ecoregion:** Not in CDCA

**Description/Location:**

The Tehachapi Linkage includes private, state, and federal lands and mineral estate, identified principally for its high habitat and watershed integrity and importance in connecting the Coast and Transverse Ranges with the Southern Sierra Nevada mountains and foothills. This area is located in Kern County north of the Tehachapi Mountains at the southern tip of the Sierra Nevada Range with elevations ranging from 1,500 to 8,400 feet. The area extends from the conserved lands of the Tejon Ranch Conservancy in the Tehachapi Mountains to the Sequoia National Forest and preserves important opportunities for plant and animal populations to migrate along an elevation gradient in response to climate change.

**Nationally Significant Values:** Not eligible for NCL proposal under PL 111-11 because not in CDCA.

**Special Designations/Management Plan/Date:** No previous special designation.

**Relevance and Importance Criteria:** Relevant wildlife resource and natural system.

This region is the southern limit of many Sierra Nevada plants and animals and contains large areas of representative key habitats found in the four ecoregions that intersect the area. Ranging from the foothills of the San Joaquin Valley to the mountains in the southern Sierra Nevada range, the vegetation includes oak woodlands, riparian woodlands, and conifer woodlands, including a grove of the rare and unique Piute cypress. The federally-listed Bakersfield cactus also occurs within the area. This area contains special status animal species including the federally-listed California condor; State listed Tehachapi slender salamander, and BLM sensitive yellow-blotched salamander, as well as habitat that are essential for maintaining species diversity and genetic linkages. In addition, the Tehachapi area demonstrates a high level of biodiversity attributed to the unique conjunction of geography, geology, and climes and important corridor linkages between Coast, Transverse, and Sierra Nevada Ranges, and the Mojave Desert.

Two utility corridors delineated in the Western Regional utility Corridor Study (1993) traverse the Tehachapi Linkage.

**National Historic and Scenic Trails:** This unit overlaps a portion of the Pacific Crest Trail.

**Recreation Area:** This unit overlaps with the Pacific Crest Trail SRMA.

**Grazing Allotment:** This unit overlaps with the Double Mountain, Goldpan Canyon, Hansen Common, Loco Bill Canyon, Loraine, Nellie's Nipple, Rudnick Common, Sand Canyon, and Studhorse Canyon allotments.

**Overarching Goals:**

Preservation of the ecological connection between the southern Sierra Nevada Mountains and foothills and the Transverse Ranges.



**Designation and Acreage by Alternative:**

Alternative	BLM Acres of NLCS within ACEC or Wildlife Allocation	BLM Acres within ACEC	BLM Acres within Wildlife Allocation	ACEC Disturbance Cap
No Action	0	0	0	NA
Preferred Alternative	0	0	18,335	Wildlife Allocation
1	0	0	18,800	Wildlife Allocation
2	0	18,800	0	1%
3	0	0	13,500	Wildlife Allocation
4	0	0	18,800	Wildlife Allocation

**\* Acreage values are for BLM managed lands**

Alternatives Preferred, 1, 3, & 4: This area would be identified as a land use allocation for wildlife purposes. Each Alternative allocates a different acreage (see table above and following maps). The area would be managed under the decisions in the Bakersfield PRMP/FEIS.

Alternative 2: This area would be designated as an ACEC and would be managed to protect wildlife connectivity.

No Action Alternative: this area would not have any special management direction.

<b>Objectives (desired future conditions) /Allowable Uses/Management Actions</b>	<b>Resource</b>
<p>Objective: Manage soils to meet or exceed the Soil Standard of Rangeland Health, as indicated by ground or plant cover, diversity of plant species, minimal evidence of accelerated wind and water erosion and the presence of the biological soil crusts where appropriate.</p> <p>Management Action 1: Minimize soil disturbance by limiting developments to the smallest area possible and by using previously disturbed areas and existing roads to the extent possible.</p> <p>Management Action 2: Restrict access and suspend authorized projects during wet weather when soil resources will be detrimentally affected by rutting, compaction, and increased erosion.</p> <p>Objective: Manage riparian/wetland vegetation, structure, and diversity and stream channels and floodplains so that they are functional and achieving physical and biological objectives.</p> <p>Management Action 3: Fence or otherwise protect wetlands and riparian areas affected by livestock.</p>	Soil, water, air

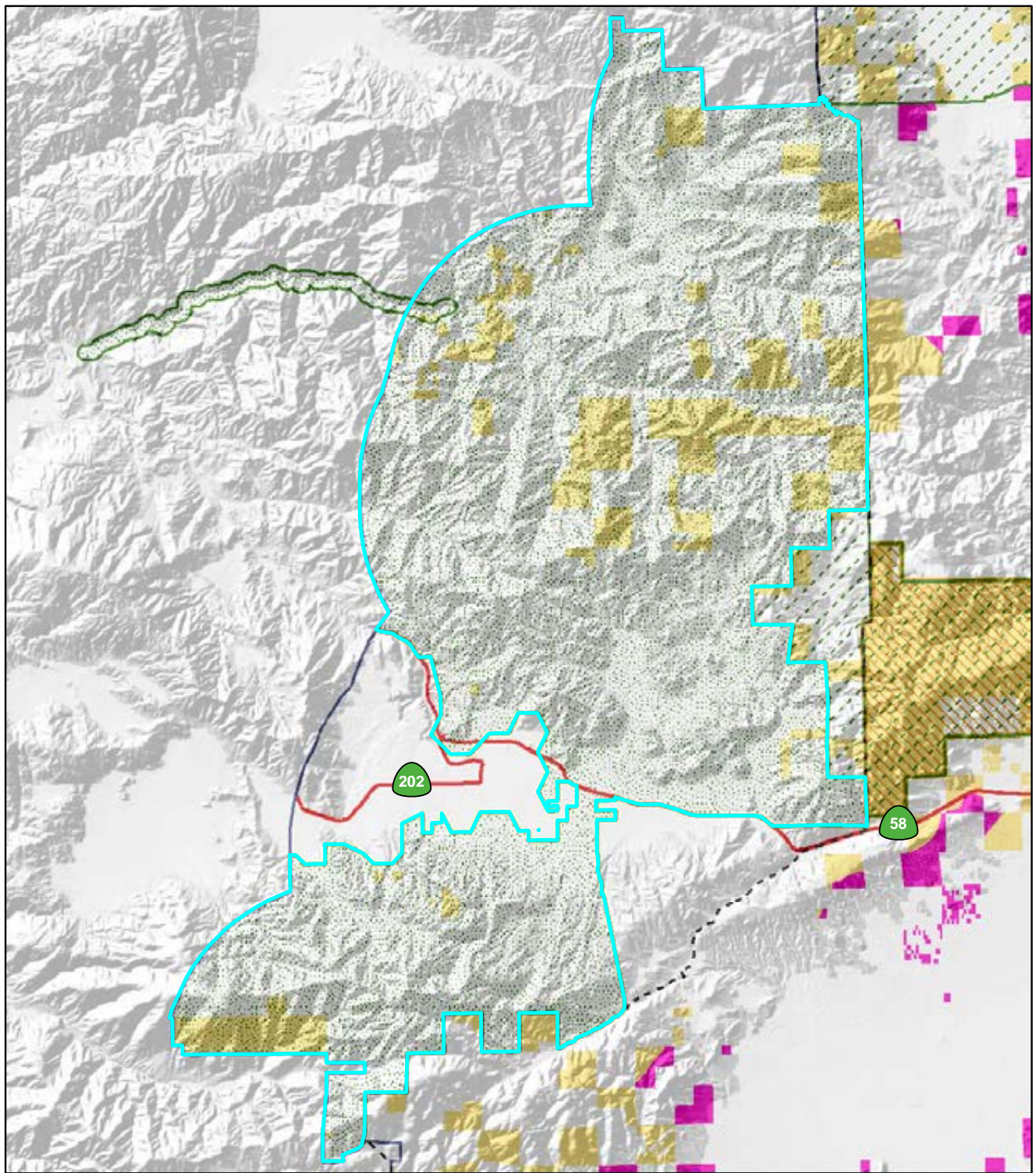
<p>Management Action 4: Locate livestock water sources as far as necessary to protect riparian areas; make these water sources available for wildlife year-round, as needed at to the greatest extent practicable.</p>	
<p>Objective: Conserve and recover state and federally listed species, and BLM sensitive species through the maintenance, enhancement and restoration of their habitats.</p> <p>Management Action 1: Implement actions and recommendations from recovery and conservation plans, including those to reduce mortality, provide information and education, and restore habitat to maintain, enhance and restore listed species habitats.</p> <p>Management Action 2: Eliminate, relocate, or redesign uses that may result or have resulted in unacceptable impacts on important biological resources, through actions such as, making season closures, modifying grazing prescriptions, installing protective fencing, restricting equestrian access, relocating camping areas, and closing or realigning travel routes.</p> <p>Management Action 3: Implement a variety of measures (such as controlling weeds, planting native species, applying mechanical and chemical vegetation treatments, improving water availability, and installing artificial structures) to enhance or restore habitat conditions.</p> <p>Objective: Design BLM actions and authorizations to minimize impacts on biological resources, regional conservation strategies and essential habitat linkages.</p> <p>Management Action 1: Apply SOPs, as appropriate to new BLM actions and authorizations such as those contained in Bakersfield PRMP/FEIS Appendix L.</p>	<p>Vegetation - Including special status plant species</p>
<p>Objective: Conserve and recover state and federally listed species and BLM sensitive species through the maintenance, enhancement and restoration of their habitats.</p> <p>Management Action 1: Implement actions and recommendations from recovery and conservation plans, including those to reduce mortality, provide information and education, and restore habitat to maintain, enhance and restore listed species habitats.</p> <p>Management Action 2: Eliminate, relocate, or redesign uses that may result or have resulted in unacceptable impacts on important biological resources, through actions such as, making season closures, modifying grazing prescriptions, installing bat compatible closures, restricting equestrian access, relocating camping areas, and closing or realigning travel routes.</p> <p>Management Action 3: Implement a variety of measures (such as controlling weeds, planting native species, applying mechanical and chemical vegetation treatments, improving water availability, and installing artificial structures) to</p>	<p>Fish and Wildlife - Including special status fish and wildlife species</p>



<p>enhance or restore habitat conditions.</p> <p>Objective: Design BLM actions and authorizations to minimize impacts on biological resources, regional conservation strategies and essential habitat linkages.</p> <p>Management Action 1: Apply SOPs, as appropriate to new BLM actions and authorizations such as those contained in Bakersfield PRMP/FEIS Appendix L.</p>	
<p>Objective: General Management of Cultural Resources</p> <p>Management Action: See programmatic ACEC cultural resources objective and action items in general cultural resources rules.</p>	Cultural Resources
<p>Objective: General Management and Protection of Paleontological Resources</p> <p>Management Action 1: Manage and protect fossil resources consistent with the Paleontological Resources Preservation Act.</p> <p>Management Action 2: Develop plans for the inventory, monitoring, and scientific and educational use of paleontological resources.</p>	Paleontology
<p>Objective: Manage OHV use to protect environmental resources, promote public safety, and provide OHV use opportunities where appropriate.</p> <p>Allowable Uses: OHV Limited area – vehicle use limited to designated roads and trails.</p>	Trails and Travel Management
<p>Objective: General Management Of Recreation - Not within a designated Recreation Management Area.</p> <p>Management Action: See planning area wide action items in general recreation rules.</p>	Recreation
<p>Objective: Meet the biological resources objectives through retention and/or land tenure adjustments.</p> <p>Management Action: Retain all lands and interests in lands in federal ownership unless it is deemed that the lands do not contribute to a regional conservation strategy or habitat linkage.</p> <p>Management Action: <b>Alternative 2 only</b> – Retain all lands and interest in lands in federal ownership within the ACEC.</p>	Land Tenure
<p>Objective: Protect biological resource values.</p> <p>Allowable Uses: Continue the designation of the two utility corridors as right-of-way corridors.</p> <p><b>Alternative 2 only:</b> Allowable Use: Entire area is an avoidance area for all rights-of-way.</p>	Rights of Way (ROW)

Management Actions: Applications for uses falling under the 2800 & 2900 regulations that provide a benefit to the management area or serve public interests may be allowed. Transmission lines larger than 231kV must be located in designated transmission corridors.	
<p>Objective: Maintain integrity of large blocks of habitat</p> <p>Allowable Use: Not an allowable use. Renewable energy development is not compatible with ACEC unit values and criteria.</p> <p>Geothermal: ACECs are closed to geothermal leasing and development unless they overlap with a DFA where geothermal is allowed. Where there is overlap, ACECs are open to geothermal leasing with an NSO stipulation.</p>	Renewable Energy
<p>Objective: Provide for reasonable, economical, and environmentally sound exploration and development of mineral resources, while ensuring compatibility with ACEC relevant and important values.</p> <p>Mineral Materials: <b>Alternative 2 only</b> – Closed to mineral material disposal.</p> <p>Non-Energy Leasables: <b>Alternative 2 only</b> – Closed to solid (non-energy) leasing.</p> <p>Fluid Minerals: <b>Alternative 2 only</b> – Open for fluid mineral leasing subject to major constraints: Controlled Surface Use (CSU)-Protected Species stipulation and CSU-Sensitive Species stipulation.</p>	Locatable Minerals Mineral Materials Non-Energy Leasable
Objective: A part of the Tehachapi Linkage ACEC crosses parts of the following grazing allotments: Double Mountain, Goldpan Canyon, Hansen Common, Loco Bill Canyon, Loraine, Nellie's Nipple, Rudnick Common, Sand Canyon and Studhorse Canyon. Grazing will continue to be authorized in the overlap areas and is governed by federal regulations including the standards and guidelines.	Livestock grazing





# Conservation Footprint

## ACEC Boundaries

1% Disturbance Cap

Wildlife Allocation

National Conservation Lands

DRECP Boundary

CDCA Boundary

Renewable Footprint

Development Focus Areas

## Land Status

Bureau of Land Management

0 2 4 Miles

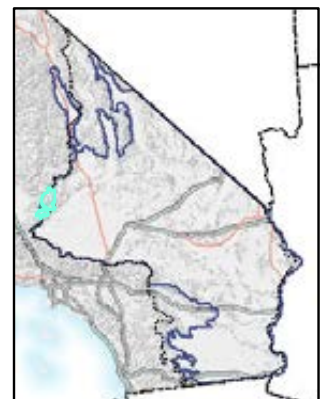


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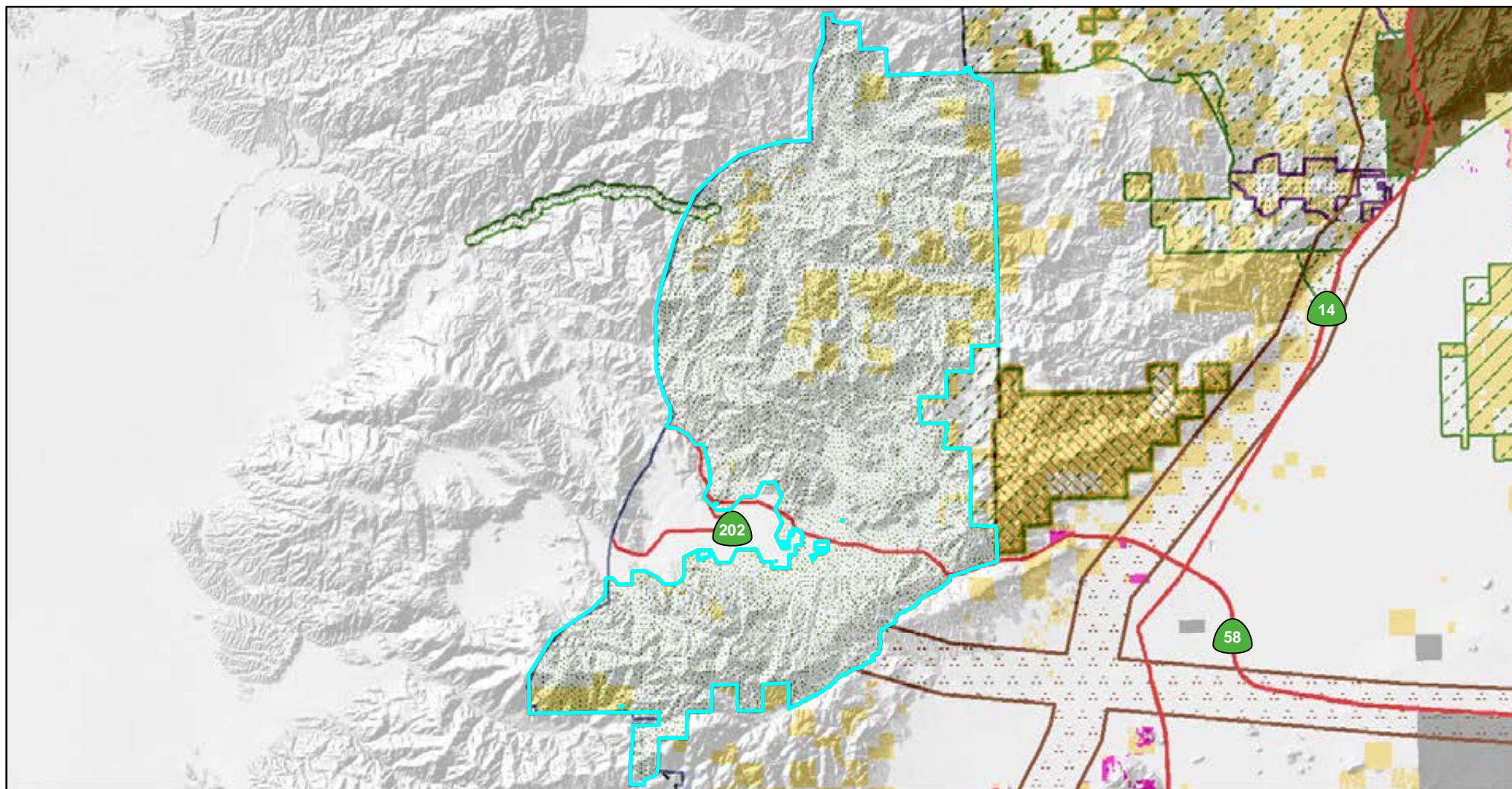


Draft Map Boundaries Subject to Change

1354








### Conservation Footprint

 Legislatively & Legally Protected Areas

 National Conservation Lands

### ACEC Boundaries

 1% Disturbance Cap

 Wildlife Allocation

0 2 4  
Miles

 DRECP Boundary


 CDCA Boundary

 Transmission Corridor


 OHV Boundary

### Renewable Footprint

 Development Focus Areas

 Variance Lands

### Land Status

 Bureau of Land Management

 Department of Defense

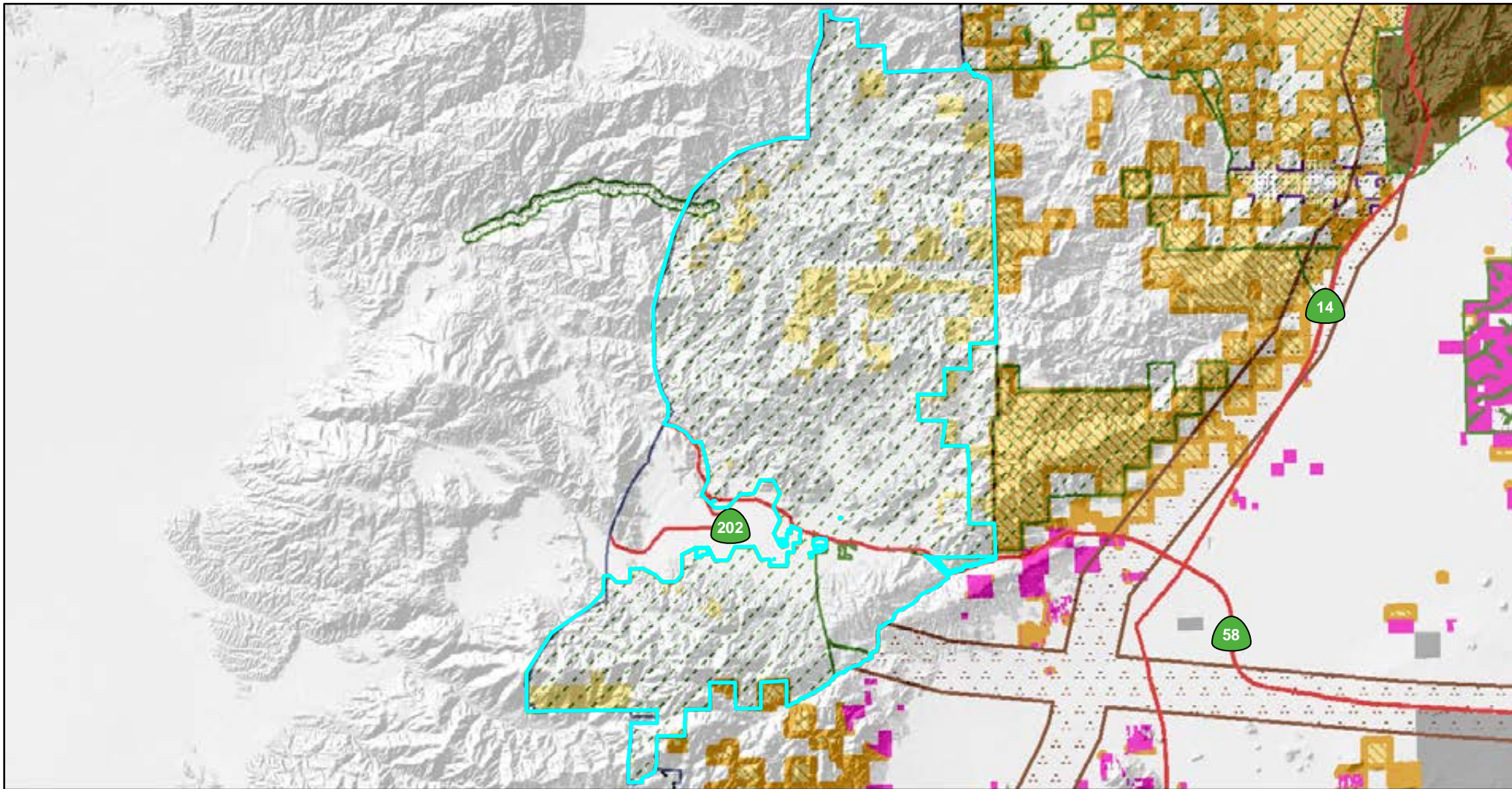
## Tehachapi Linkage Alternative 1

8/25/2015

Draft Map Boundaries Subject to Change








## Conservation Footprint

 Legislatively & Legally Protected Areas

 National Conservation Lands

## ACEC Boundaries


 0.1% Disturbance Cap

 1% Disturbance Cap


 Wildlife Allocation

 DRECP Boundary

 CDCA Boundary


 Transmission Corridor


## Renewable Footprint

 Development Focus Areas

 OHV Boundary

## Land Status

 Bureau of Land Management

 Department of Defense

## Tehachapi Linkage Alternative 2

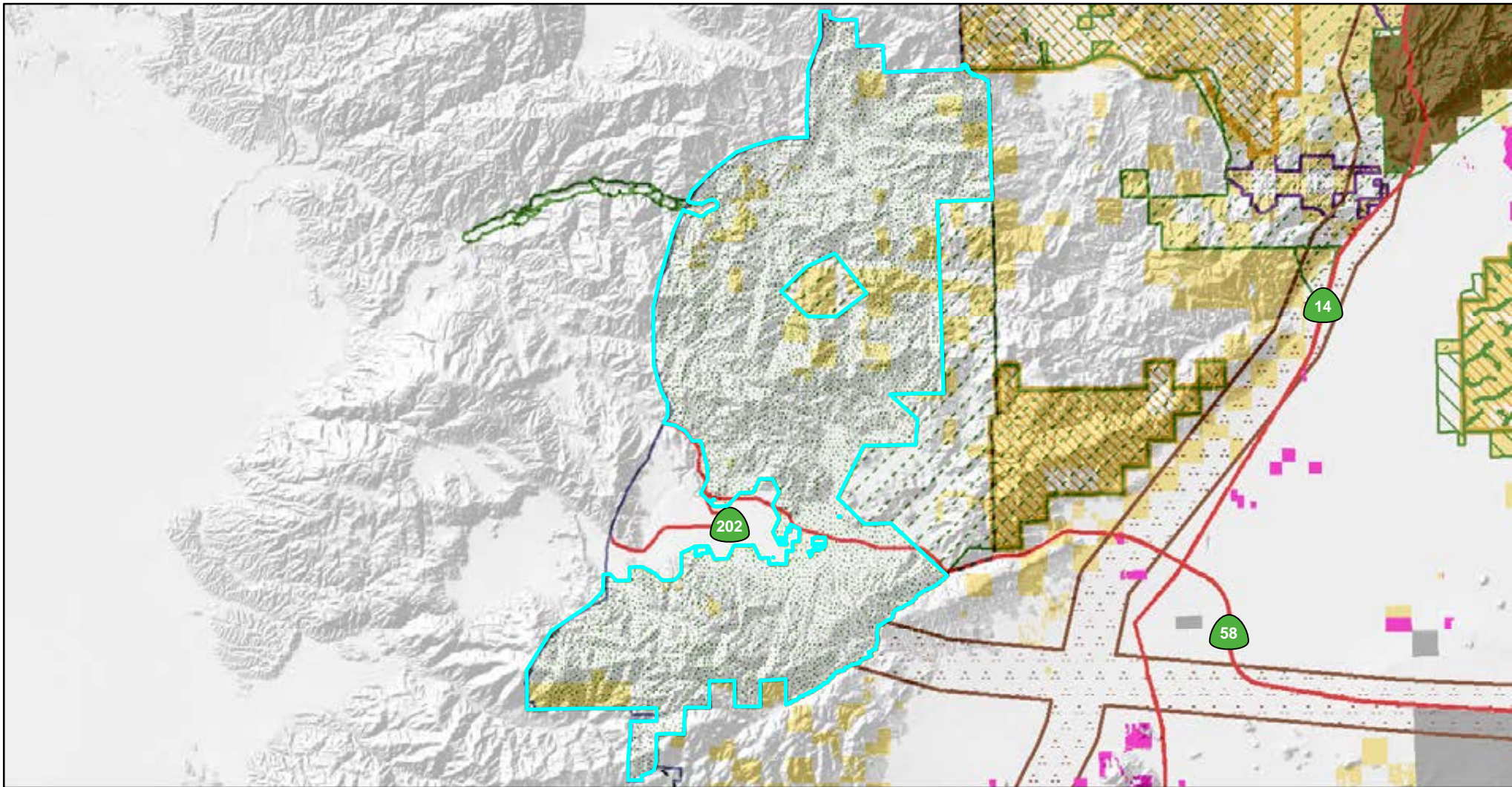
8/26/2015

Draft Map Boundaries Subject to Change



0 4 8  
Miles





### Conservation Footprint

- |   |                            |
|---|----------------------------|
| Legislatively & Legally Protected Areas | DRECP Boundary             |
| National Conservation Lands             | CDCA Boundary              |
| <b>ACEC Boundaries</b>                  | Transmission Corridor      |
| 0.1% Disturbance Cap                    | OHV Boundary               |
| 0.5% Disturbance Cap                    | <b>Renewable Footprint</b> |
| 1% Disturbance Cap                      | Development Focus Areas    |
| Wildlife Allocation                     | 0 2 4 Miles                |

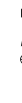
### Land Status

- |                           |
|---------------------------|
| Bureau of Land Management |
| Department of Defense     |

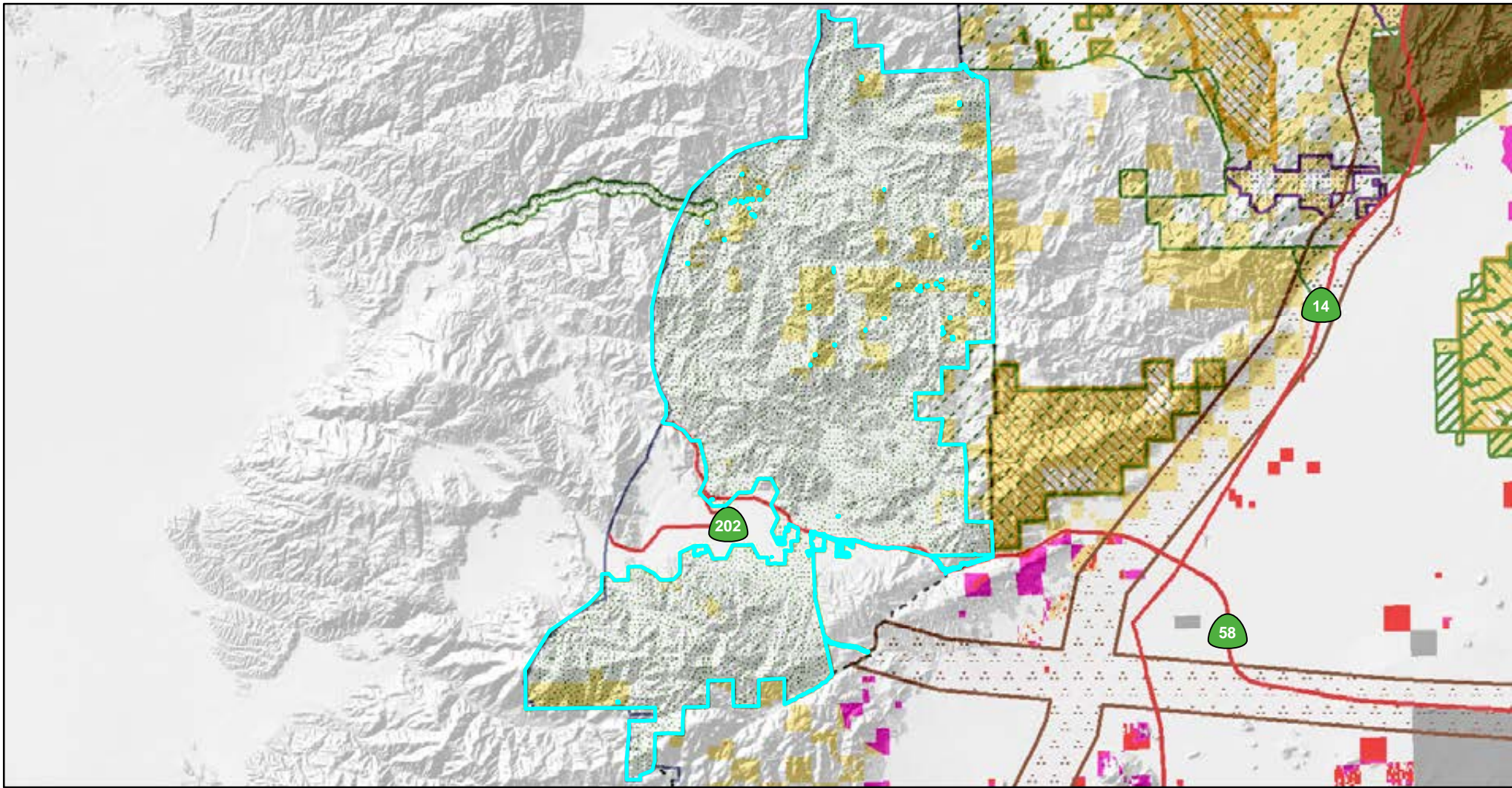
## Tehachapi Linkage Alternative 3

8/27/2015

Draft Map Boundaries Subject to Change





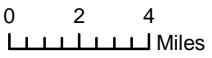


### Conservation Footprint

- |   |                            |
|---|----------------------------|
| Legislatively & Legally Protected Areas | DRECP Boundary             |
| National Conservation Lands             | CDCA Boundary              |
| <b>ACEC Boundaries</b>                  | Transmission Corridor      |
| 0.1% Disturbance Cap                    | OHV Boundary               |
| 0.25% Disturbance Cap                   | <b>Renewable Footprint</b> |
| 1% Disturbance Cap                      | Development Focus Areas    |
| Wildlife Allocation                     | Variance Lands             |

### Land Status

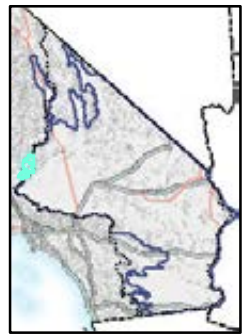
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|---------------------------|
| Bureau of Land Management |
| Department of Defense     |



## Tehachapi Linkage Alternative 4

8/27/2015

Draft Map Boundaries Subject to Change



## Western Rand Mountains

**National Conservation Lands Ecoregion:** Mojave and Silurian Valley, West Desert and Eastern Slopes

**Description/Location:** Located in the south-central portion of the Ridgecrest Resource Area. The area lies just west of Randsburg, Red Mountain, and Atolia and is bordered on the south by California City. The area includes the Rand Mountains, Fremont Valley, and Koehn Dry Lake.

### **Nationally Significant Values:**

**Ecological:** This area provides high density Desert Tortoise habitat and encompasses US Fish and Wildlife Service designated desert tortoise critical habitat (part of the Fremont-Kramer desert tortoise critical habitat unit). This area provides critical tortoise habitat linkage.

**Special Designations/Management Plan/Date:** Plan 2/1993

**Relevance and Importance Criteria:** This area includes significant wildlife habitat. It historically had some of the highest desert tortoise population densities known throughout its range. The ACEC was designated minimize of conflicting surface use activities with desert tortoise populations. It is included in the Fremont-Kramer ACEC, which is critical desert tortoise habitat, and is important habitat for the Mohave ground squirrel. It also contains habitat that supports other special status species including the burrowing owl.

**Recreation Area:** This unit overlaps with the El Paso/Rand SRMA.

**Grazing Allotment:** This unit overlaps with the Cantil Common Allotment.

**Overarching Goals:** Ensure that viable populations of the Desert Tortoise continue in the area. Limit fragmentation of Desert Tortoise critical habitat.

Where the CMAs in this Special Management Plan conflict from the CMAs included in Volume II of the Proposed LUPA and Final EIS, the more restrictive CMA would be applied (i.e. management that best supports resource conservation and limits impacts to the values for which the conservation unit was designated), unless otherwise specified.

If this area is included in the National Conservation Lands, the BLM will manage this area to protect the Nationally Significant Values above. Appropriate multiple uses will be allowed, consistent with this Special Unit Management Plan and the CMAs in Volume II. If an activity is not specifically covered by the CMAs, it will be allowed if it is consistent with the Nationally Significant Values, but prohibited if the uses conflict with those values.



**Designation and Acreage by Alternative:**

Alternative	BLM Acres of NLCS within ACEC or Wildlife Allocation	BLM Acres within ACEC	BLM Acres within Wildlife Allocation	ACEC Disturbance Cap
No Action	0	31,100	0	NA
Preferred Alternative	30,320	30,321	0	0.5%
1	0	31,100	0	1%
2	18,400	18,400	0	0.25%
3	30,300	30,300	0	0.5%
4	29,200	30,300	0	0.25%

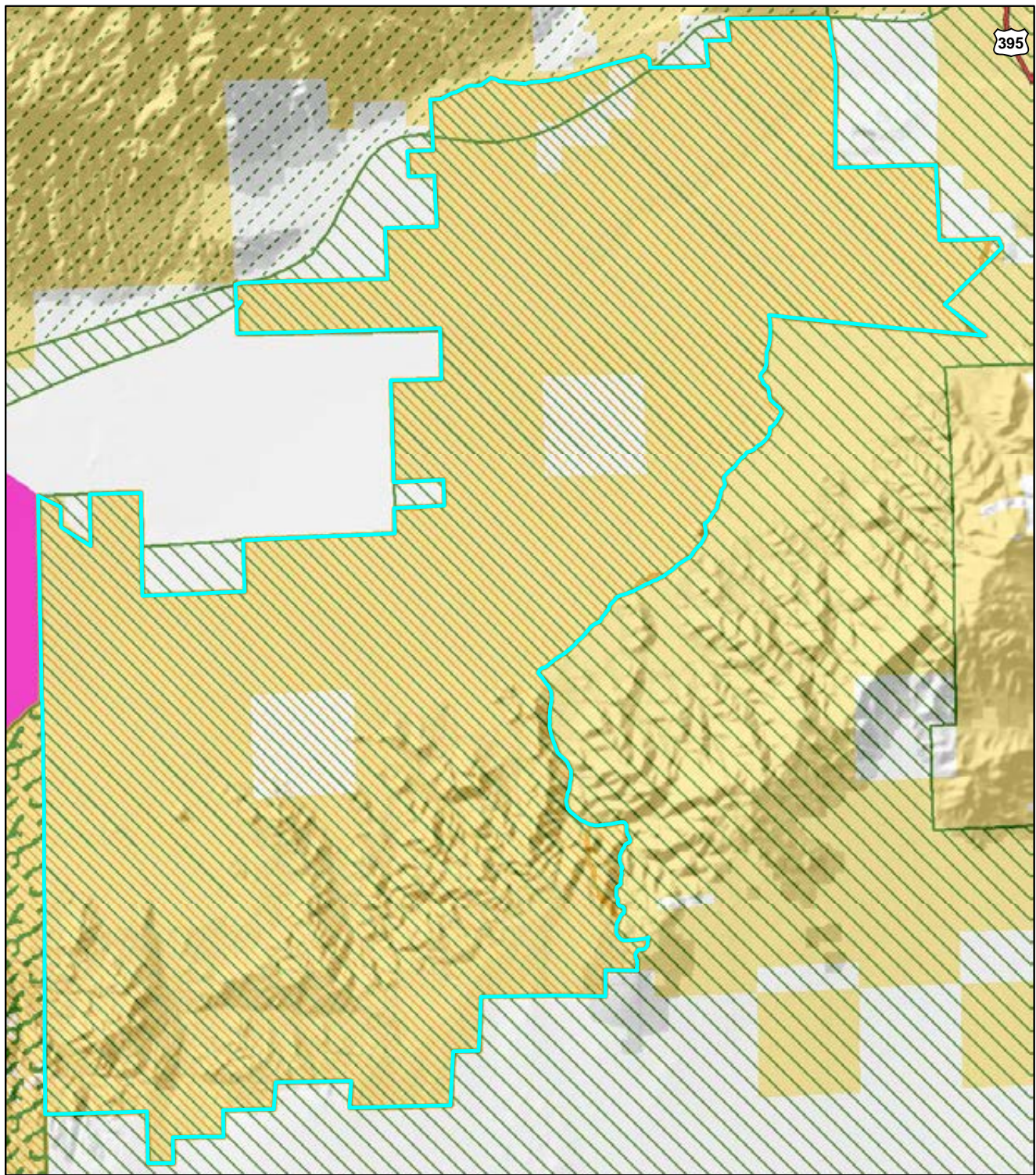
\* Acreage values are for BLM managed lands

Objectives (desired Future conditions)/Allowable Uses/Management Actions	Resource
<p>Objective: Soils exhibit functional biological and physical characteristics that are appropriate to soil type, climate, and land form.</p> <p>Allowable Uses: Restrict construction activities when soils are susceptible to heightened risk of erosion.</p> <p>Management Actions: Ensure soils to meet or exceed the Soil Standard of Rangeland Health, as indicated by ground or plant cover, diversity of plant species, minimal evidence of accelerated wind and water erosion and the presence of biological soil crusts where appropriate.</p> <p>Prohibit activities that pollute or degrade water sources , including CDFG gallinaceous guzzlers (CDCA plan Table 2)</p>	Soil, water, air
<p>Objective: Ensure biodiversity of plants is stable or improving</p> <p>Management Action: Rehabilitate/revegetated disturbed area</p> <p>Management Action: Maintain intact vegetation communities and prevent fragmentation.</p> <p>Management Action: Prohibit collection of plants except by permit</p>	Vegetation (incl. special status species)
<p>Objective: Maintain or improve condition of Desert Tortoise habitat</p> <p>Management Action: Maintain viable populations and connections between other conservation areas by preventing unnecessary large-scale barriers</p> <p>Objective: Protect and enhance habitat to maintain stable or increasing population trends of special status species to ensure persistence:</p> <p>Management Action: Protect other sensitive species:</p>	Fish and Wildlife (incl. special status species)

<p>Le Conte's Thrasher (<i>Toxostoma lecontei</i>), State Species of Special Concern</p> <p>Loggerhead Shrike (<i>Lanius ludovicianus</i>), State Species of Special Concern</p> <p>American Badger (<i>Taxidea taxus</i>), State Special Animal</p> <p>Mohave ground squirrel (<i>Spermophilus mohavensis</i>), State threatened</p> <p>Townsend's big-eared bat (<i>Corynorhinus townsendii</i>), BLM sensitive</p> <p>Pallid bat (<i>Antrozous pallidus</i>), BLM sensitive</p> <p>Spotted bat (<i>Euderma maculatum</i>), BLM sensitive</p> <p>Western Mastiff bat (<i>Eumops perotis californicus</i>), BLM sensitive</p> <p>Golden Eagle (<i>Aquila chrysaetos</i>), BLM sensitive, Bald and Golden Eagle P. Act</p> <p>Prairie Falcon (<i>Falco mexicanus</i>), USFWS Bird of Conservation Concern</p> <p>Burrowing Owl (<i>Athene cunicularia</i>), BLM Sensitive</p> <p>Long-eared owl (<i>Asio otus</i>), State Species of Special Concern</p>	
<p>Objective: Protect sensitive habitat while providing visitor access</p> <p>Allowable Uses: Motorized, non-motorized, non-mechanized, etc. including casual as well as permitted use.</p> <p>Management Action: All vehicle traffic limited to designated roads and trails</p> <p>Management Action: Designated routes will be signed and managed in accordance to the local Travel Management Plan, as funding allows. Unauthorized routes will be rehabilitated/restored as funding allows. Identify access routes which minimize impact to resources. Limit vehicles to open designated routes by signing, fencing, and barriers as funding allows.</p> <p>Management Action: Use minimization criteria for designating routes in Mohave ground squirrel and Desert tortoise habitat.</p> <p>Management Action: Increase information to public and patrols</p>	Trails and Travel Management
<p>Objective: Provide dispersed opportunities for enjoyment of the ACEC attributes</p> <p>Allowable Uses: All forms of casual and permitted recreational uses are allowed including but not limited to hunting, photography, picnicking, rock hounding, astronomy/star gazing, nature study and viewing.</p> <p>Management Action: Parking of motor vehicles is allowed within 50 feet of the centerline of designated routes and not beyond this distance.</p> <p>Management Action: Camping is only permitted in designated sites as identified in the Rand Mountain-Fremont Valley Management Plan.</p> <p>Management Action: No person may discharge a firearm at any time except shotguns and then only for the lawful taking of upland game birds.</p> <p>Management Action: Increase information to public and compliance, maintain signs, vehicle barriers and kiosks, and work with volunteers to clean-up parking and camping areas on a regular basis.</p>	Recreation
<p>Objective: Consolidate through tenure adjustment.</p> <p>Management Action: Acquire inholdings, edgeholdings and other interests from willing sellers.</p>	Land Tenure



<p>Objective 1: Protect resource values of the ACEC</p> <p>Objective 2: Maintain wildlife linkage</p> <p>Management Action 1: Land use authorization proposals (new, renewal, and amendment) will be analyzed on a case-by-case basis to assess whether they are compatible with the ACEC and its management goals.</p> <p>Management Action 2: To the degree possible, new utility right-of-ways shall be sited as close together as practical given engineering specifications, human safety, and other limiting factors.</p>	Rights of Way
<p>Objective: Maintain integrity of large blocks of habitat</p> <p>Allowable Uses: Not an allowable use. Renewable energy development is not compatible with NLCS and ACEC unit values and criteria</p> <p>ACECs are closed to geothermal leasing and development unless they overlap with a DFA where geothermal is allowed. Where there is overlap, ACECs are open to geothermal leasing with an NSO stipulation.</p>	Renewable Energy
<p>Objective: Provide for livestock grazing opportunities in a manner that limits impacts on desert tortoise habitat and other resources</p> <p>Allowable Uses: A small part of the unit is within the Cantil Common Allotment which is an ephemeral sheep grazing allotment. Special rules exist for determining threshold forage production before sheep can be turned out and when they will be removed. Existing allotment is authorized, but do not authorize new allotments or expansion of existing allotment (either in size or increase number of AUMs), if willing relinquishment, would be made unavailable.</p> <p>Management Action: Continue to monitor and regulate the sheep grazing in the area</p>	Livestock grazing




### Conservation Footprint

 National Conservation Lands

### AEC Boundaries

 0.1% Disturbance Cap

 0.5% Disturbance Cap

 1% Disturbance Cap

 DRECP Boundary

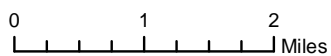
 CDCA Boundary

### Renewable Footprint

 Development Focus Areas

### Land Status

 Bureau of Land Management



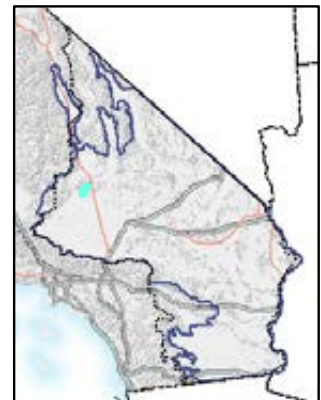
## Western Rand Mountains



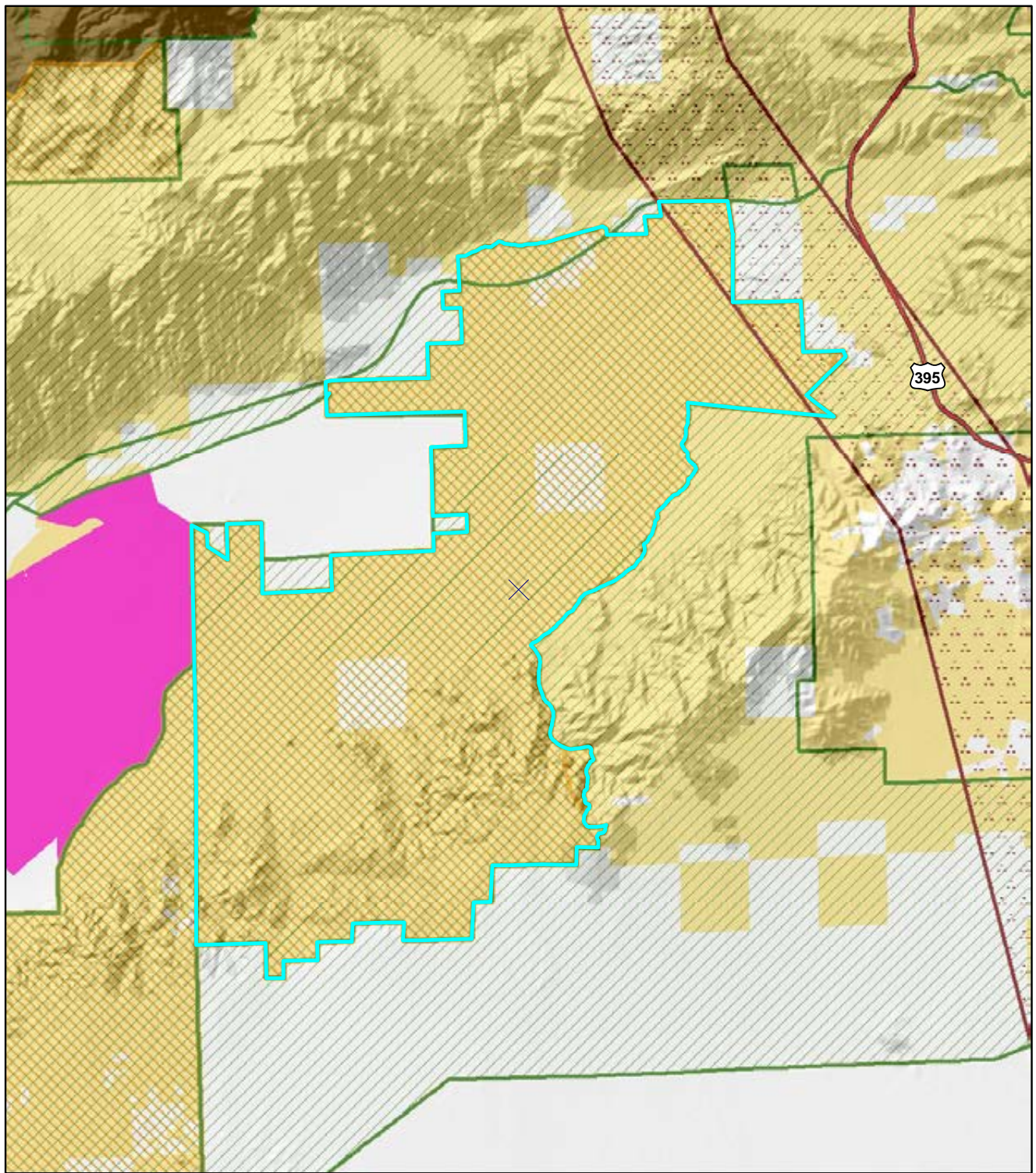
6/25/2015



Draft Map Boundaries Subject to Change







### Conservation Footprint

- Legislatively & Legally Protected Areas
- National Conservation Lands
- Proposed ACEC

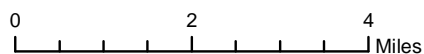
### Renewable Footprint

- Development Focus Areas

- DRECP Boundary
- CDCA Boundary
- Transmission Corridor
- OHV Boundary

### Land Status

- Bureau of Land Management



## Western Rand Mountains

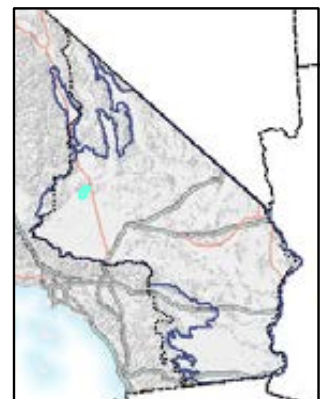


7/14/2015

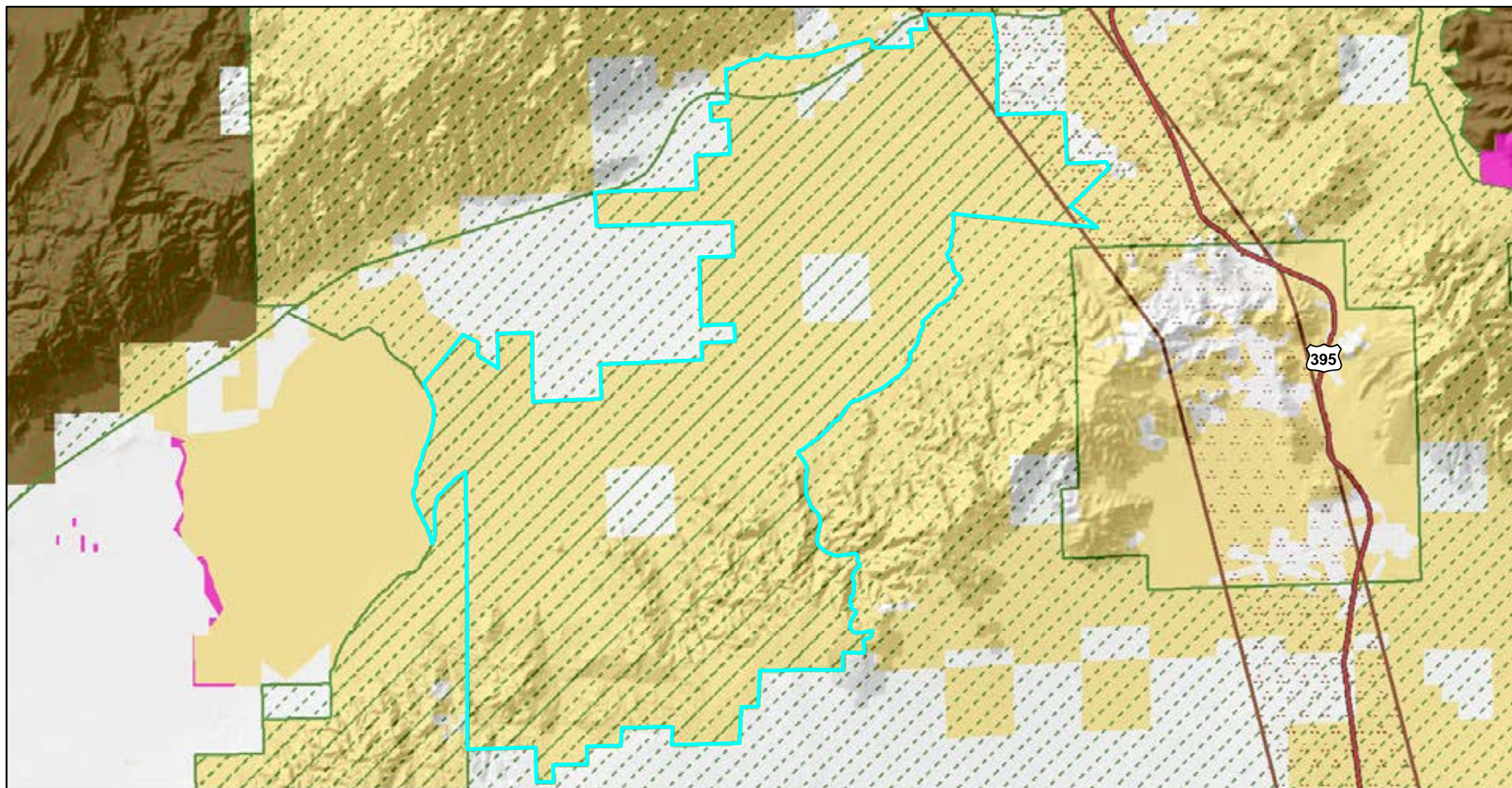


Draft Map Boundaries Subject to Change

1364







### Conservation Footprint

Legislatively & Legally Protected Areas

ACEC Boundaries

1% Disturbance Cap

DRECP Boundary

CDCA Boundary

Transmission Corridor

Renewable Footprint

Development Focus Areas

### Land Status

Bureau of Land Management

0 2 4 Miles

## Western Rand Mountains

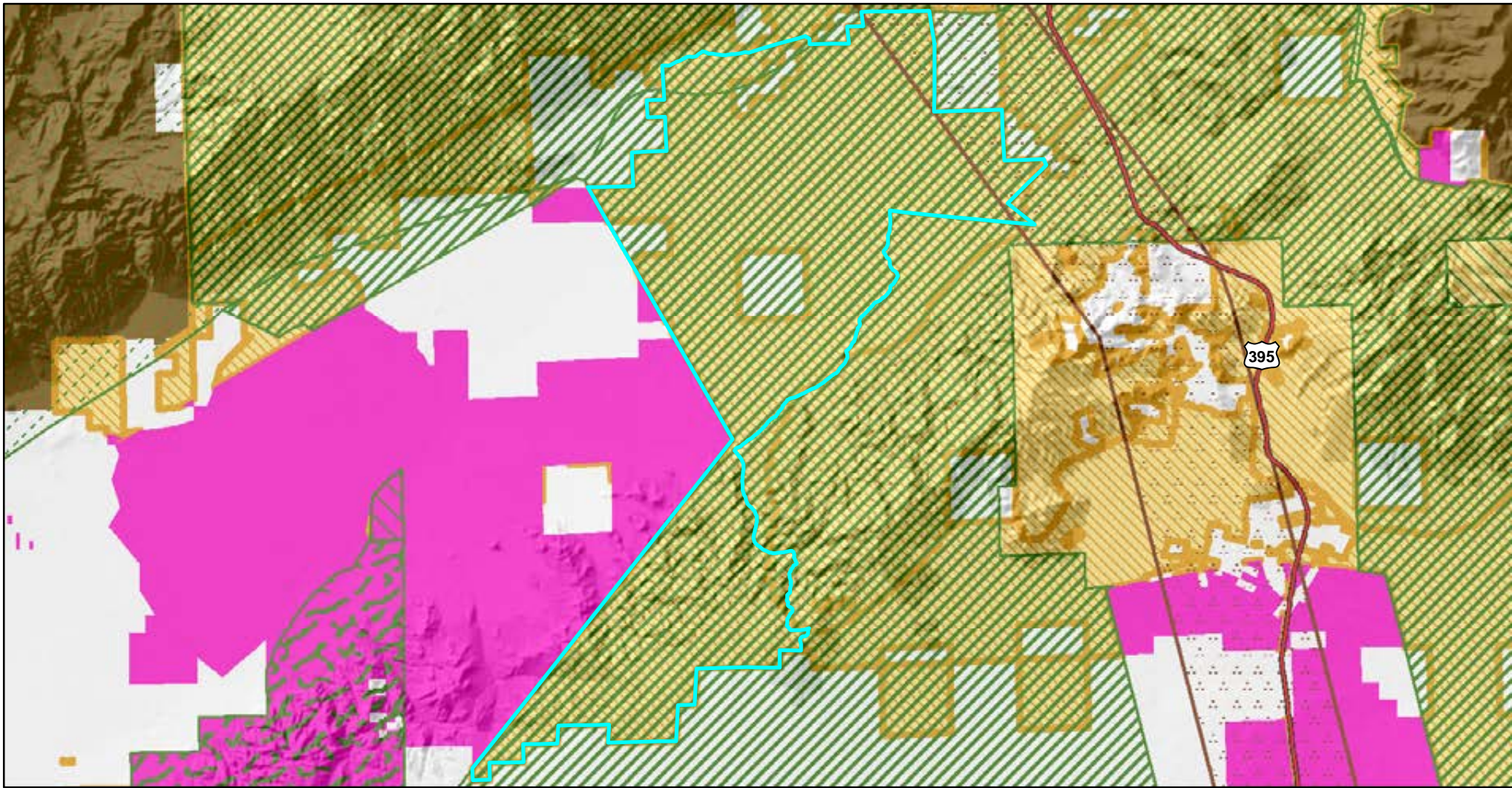
Alternative 1

8/25/2015

Draft Map Boundaries Subject to Change







### Conservation Footprint

Legislatively & Legally Protected Areas

National Conservation Lands

### ACEC Boundaries

0.1% Disturbance Cap

0.25% Disturbance Cap

0.5% Disturbance Cap

1% Disturbance Cap

DRECP Boundary

CDCA Boundary

Transmission Corridor

### Renewable Footprint

Development Focus Areas

### Land Status

Bureau of Land Management

0 1 2  
Miles

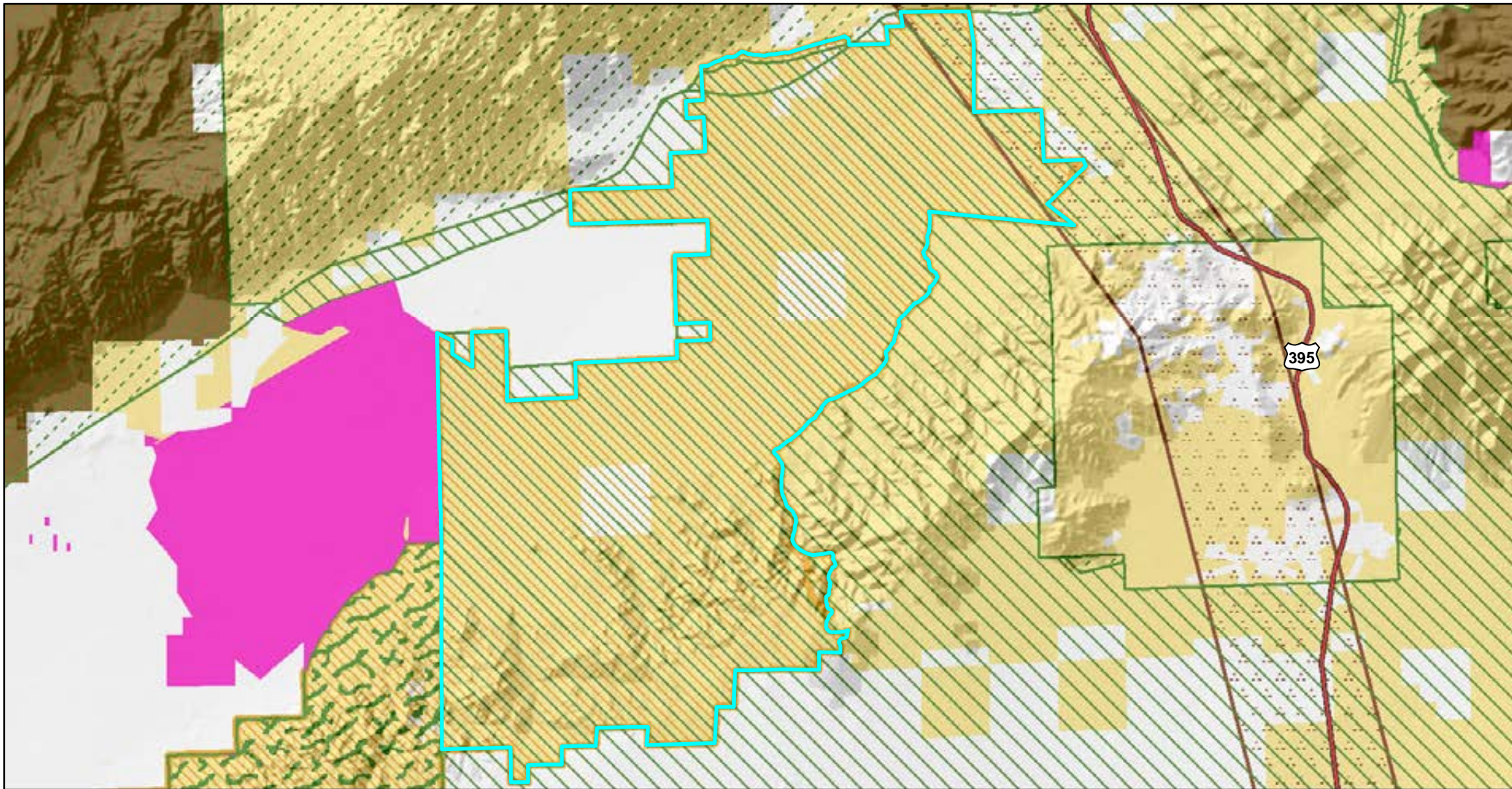
## Western Rand Mountains Alternative 2

8/26/2015

Draft Map Boundaries Subject to Change







## Conservation Footprint

Legislatively & Legally Protected Areas

National Conservation Lands

## ACEC Boundaries

0.1% Disturbance Cap

0.5% Disturbance Cap

1% Disturbance Cap

0 1 2  
Miles

DRECP Boundary

CDCA Boundary

Transmission Corridor

## Renewable Footprint

Development Focus Areas

## Land Status

Bureau of Land Management

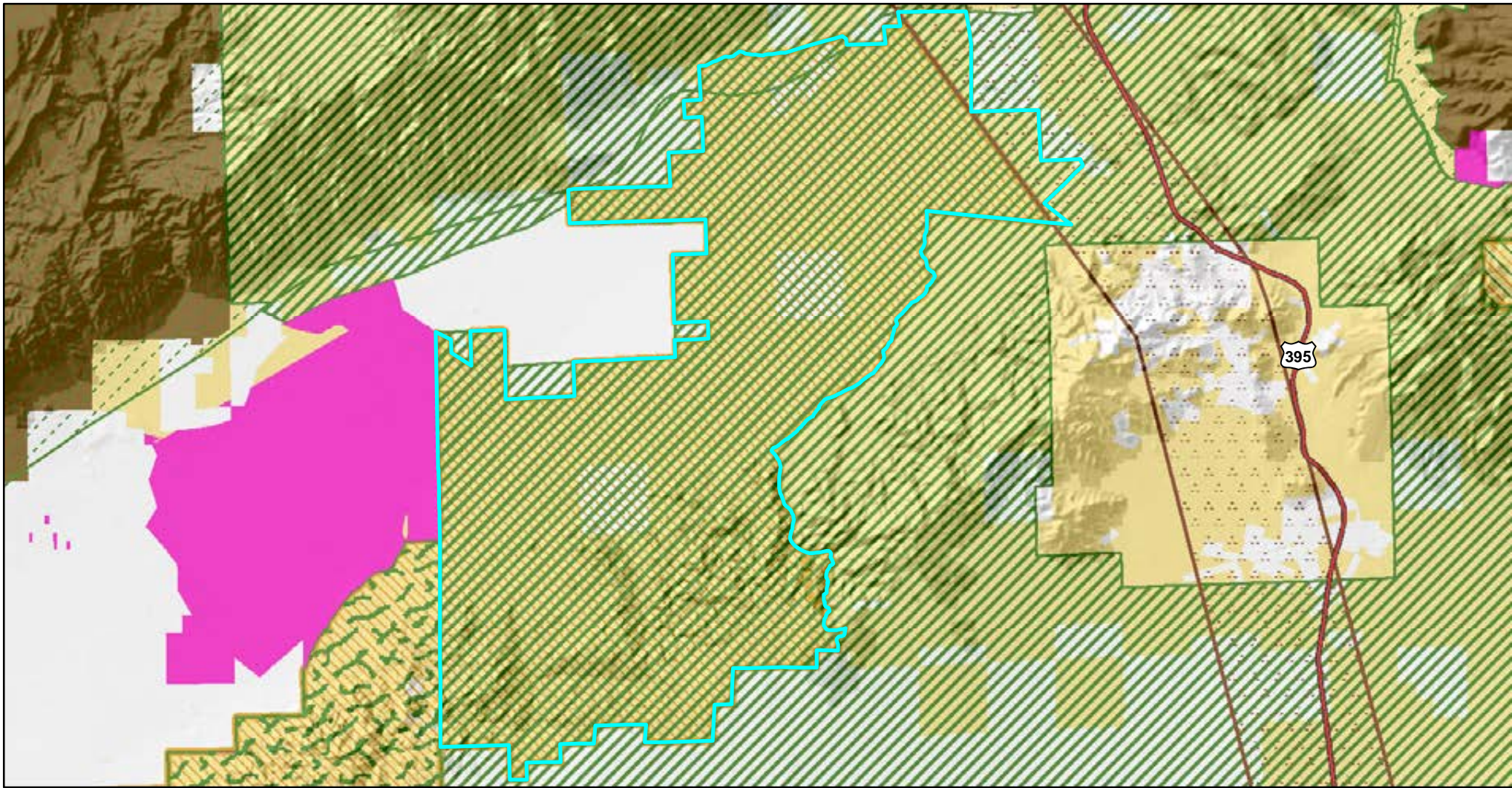
## Western Rand Mountains Alternative 3

8/27/2015

Draft Map Boundaries Subject to Change







### Conservation Footprint

Legislatively & Legally Protected Areas

National Conservation Lands

### ACEC Boundaries

0.1% Disturbance Cap

0.25% Disturbance Cap

0.5% Disturbance Cap

1% Disturbance Cap

DRECP Boundary

CDCA Boundary

Transmission Corridor

### Renewable Footprint

Development Focus Areas

### Land Status

Bureau of Land Management

0 1 2  
Miles

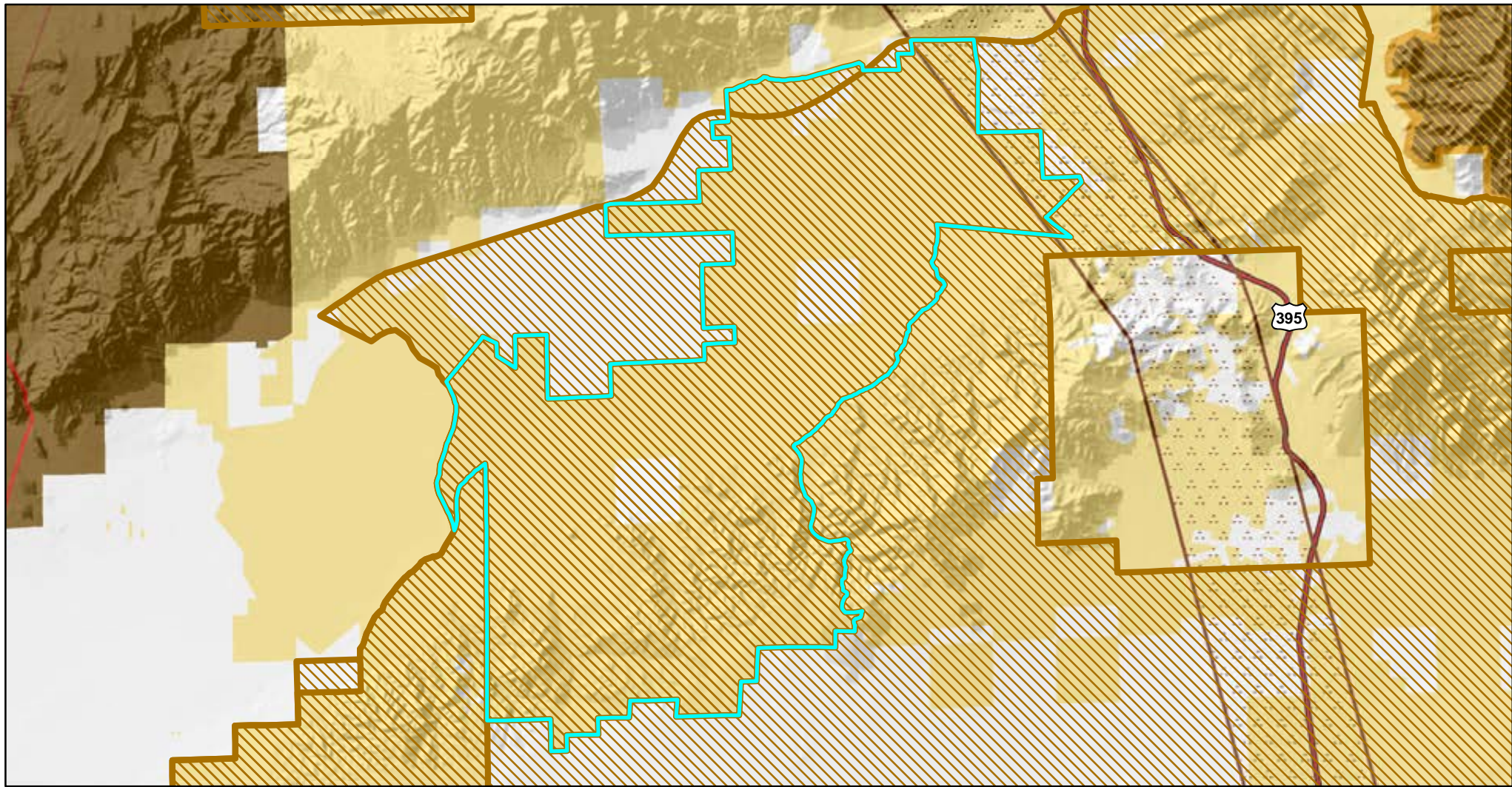
## Western Rand Mountains Alternative 4

8/27/2015

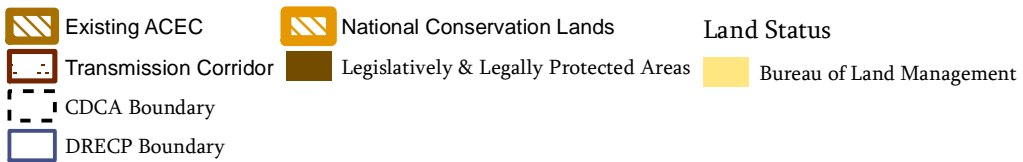
Draft Map Boundaries Subject to Change







### Conservation Footprint



### Western Rand Mountains

**No Action**

9/15/2015

Draft Map Boundaries Subject to Change

